

MSU - LUTZ FARM WILDLIFE FENCE PROJECT

GALLATIN COUNTY, MONTANA

PHASE: 100% CONSTRUCTION DOC'S
DATE: AUGUST, 15 2023

PROJECT TEAM

OWNER

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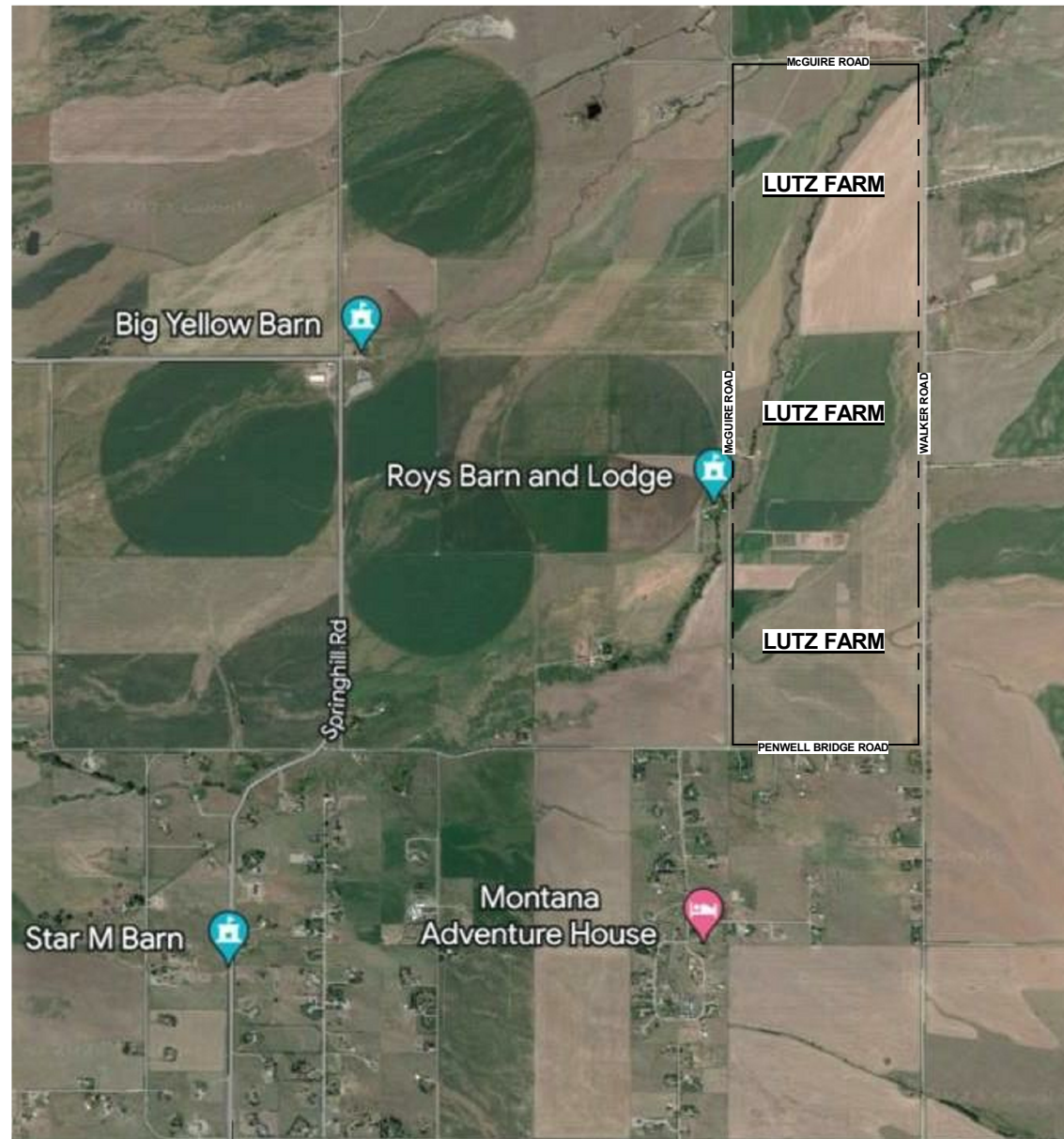
STRUCTURAL

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PROJECT INFORMATION

LUTZ FARM PROPERTY:
S 1/2 NW 1/4 AND SW 1/4 S 24
AND
W 1/2 S 25
T1N, R5E, P.M.M.
571.98 ACRES

VICINITY MAP



PROJECT SPECIFIC NOTES

- DIMENSIONS ARE SHOWN ON THE DRAWINGS. DO NOT SCALE THE DRAWINGS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NEW MATERIALS (LINO) & QUALIFIED CRAFTPERSONS TO COMPLETE THE WORK.
- CONSTRUCTION DOCUMENTS SHOW THE DESIGN INTENT OF THE PROJECT & MAY NOT SHOW MINOR DETAILS OF PROPOSED INSTALLATION. THE INCLUSION OF THESE MINOR DETAILS IS IMPLIED TO PROVIDE A COMPLETE PROJECT & ARE TO BE INCLUDED AS A PART OF A BID.
- ALL HEIGHTS ARE DIMENSIONED FROM THE TOP OF FINISHED GRADE UNLESS NOTED OTHERWISE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT EXISTING CONDITIONS PRIOR TO PROCEEDING WITH EACH INSTALLATION OR PART OF THE WORK. DISCREPANCIES MUST BE REPORTED TO THE ARCHITECT PRIOR TO PROCEEDING.
- THE CONTRACTOR IS TO COORDINATE THE INSTALLATION OF MATERIALS & WORK OF OTHERS WHO ARE NOT SUB-CONTRACTORS TO THE GC, YET ARE REQUIRED IN PROVIDING A COMPLETED PROJECT. AREAS OF WORK REQUIRING COORDINATION INCLUDE BUT ARE NOT LIMITED TO THOSE INDICATED AS NIC ON THE CONSTRUCTION DOCUMENTS.
- REFER TO STRUCTURAL & CIVIL/SURVEY DRAWINGS FOR COORDINATION OF WORK.
- ALL DIMENSIONS ARE FROM CENTER OF POST UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL VERIFY ALL DIMENSION CONDITIONS PRIOR TO CONSTRUCTION.
- IN THE CASE OF CONTRADICTIONS BETWEEN DRAWINGS OR BETWEEN DRAWINGS & SPECIFICATIONS, ASSUME THE MORE COSTLY APPROACH FOR BIDDING PURPOSES. BRING ALL CONTRADICTIONS TO THE ATTENTION OF THE ARCHITECT.
- THE CONSTRUCTION DOCUMENTS CONSIST OF THE CONSTRUCTION DRAWINGS & SPECIFICATIONS INCLUSIVELY. SOME ITEMS MAY BE SHOWN ONLY ON THE DRAWINGS OR INDICATED ONLY IN THE SPECIFICATIONS. FOR EXAMPLE, THE SPECIFICATIONS MAY SAY TO PAINT ALL EXPOSED STRUCTURAL STEEL, BUT THIS WILL NOT BE CALLED OUT ON ALL OF THE DRAWINGS.
- 3-D VIEWS MAY BE USED THROUGHOUT THE CONSTRUCTION DOCUMENTS. 3-D VIEWS ARE SHOWN TO CLARIFY CONDITIONS THAT CANNOT BE SHOWN IN OTHER VIEWS. 3-D VIEWS MAY NOT SHOW ALL DETAILS REQUIRED TO COMPLETE THE AREA. REFER TO DETAILS AT ADJACENT AREAS AS NECESSARY OR ASK THE ARCHITECT PRIOR TO BIDDING.

THESE DRAWINGS WERE PREPARED BY HIP AND HUMBLE ARCHITECTURE, LLC. FOR CONSTRUCTION OF THE BUILDING DESCRIBED. AS SUCH, THEY ARE THE PROPERTY OF HIP AND HUMBLE ARCHITECTURE, LLC. AND MAY NOT BE REPRODUCED, COPIED OR USED IN ANY WAY WITHOUT PRIOR APPROVAL FROM HIP AND HUMBLE ARCHITECTURE, LLC.

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CIVIL / SURVEY

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REFERENCE SYMBOLS

①	View Name 1/8" = 1'-0"	SCALE
5 A3-8	5 A3-8	BUILDING SECTIONS SEE DRAWINGS EX: SHEET A3-8, DETAIL 5
3 A5-2	3 A5-2	WALL SECTIONS SEE DRAWINGS EX: SHEET A5-2, DETAIL 3
4 A7-1	4 A7-1	EXTERIOR ELEVATION SEE DRAWINGS EX: SHEET A7-1, DETAIL 4
1 A101	1 A101	CONSTRUCTION DETAIL SEE DRAWINGS EX: SHEET A6-3, DETAIL 2
5 A7-1	5 A7-1	INTERIOR ELEVATION SEE DRAWINGS EX: SHEET A7-1, DETAIL 4 & 5
101A	101A	DOOR SYMBOL SEE DOOR SCHEDULE
A	A	WINDOW SYMBOL SEE WINDOW TYPES
Room name 101	Room name 101	ROOM SYMBOL EX: 202 - SECOND FLOOR
0	0	GRID LINES: LETTERS LEFT TO RIGHT NUMBERS BOTTOM TO TOP
E2s	E2s	WALL/PARTITION TYPE SYMBOL SEE WALL/PARTITION TYPES
Name Elevation	Name Elevation	BENCHMARK

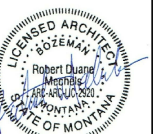
FINAL CONSTRUCTION SET (100%)

LUTZ FARM
WILDLIFE FENCE



HIP & HUMBLE ARCHITECTURE, LLC
418 S. 5TH AVE.
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DRAWN BY:	RM	
REVIEWED BY:	DB	
REV.	DESCRIPTION	DATE



PPA#21- 0122
A/E#00-00-00
CONSULTANT#:
SHEET TITLE
COVER SHEET

SHEET
A0-1

DATE
08.15.23



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1 SITE DEMO PLAN
A1-1 1" = 6000'

GATE / FENCING DEMOLITION NOTES:

1. SEE SITE DEMOLITION PLANS FOR ANTICIPATED LOCATIONS AND LENGTHS OF EXISTING FENCING AND GATE DEMOLITION AND REMOVAL.
2. FENCING DEMOLITION TO INCLUDE ALL EXISTING METAL AND WOOD POSTS, BRACES, FASTENERS, BARBED WIRE AND OTHER TYPES OF FENCING AND GATES THAT ARE INSTALLED IN THE INDICATED FENCING RUNS. CONTRACTOR TO FIELD VERIFY ALL FENCING TYPES AND LOCATIONS TO BE DEMOLISHED.
3. CONTRACTOR TO PROPERLY DISPOSE OF ALL DEMOLISHED FENCING COMPONENTS AND LEAVE EXISTING SITE IN A CLEAN AND ORGANIZED CONDITION READY FOR NEW FENCING AND GATE INSTALLATIONS.



2 ENLARGED SITE DEMO PLAN @
A1-1 KIOSK
1" = 30'-0"



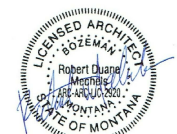
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LUTZ FARM
WILDLIFE FENCE



DRAWN BY: **RM**
REVIEWED BY: **DB**

REV.	DESCRIPTION	DATE



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SHEET TITLE

FENCE DEMO

PLANS

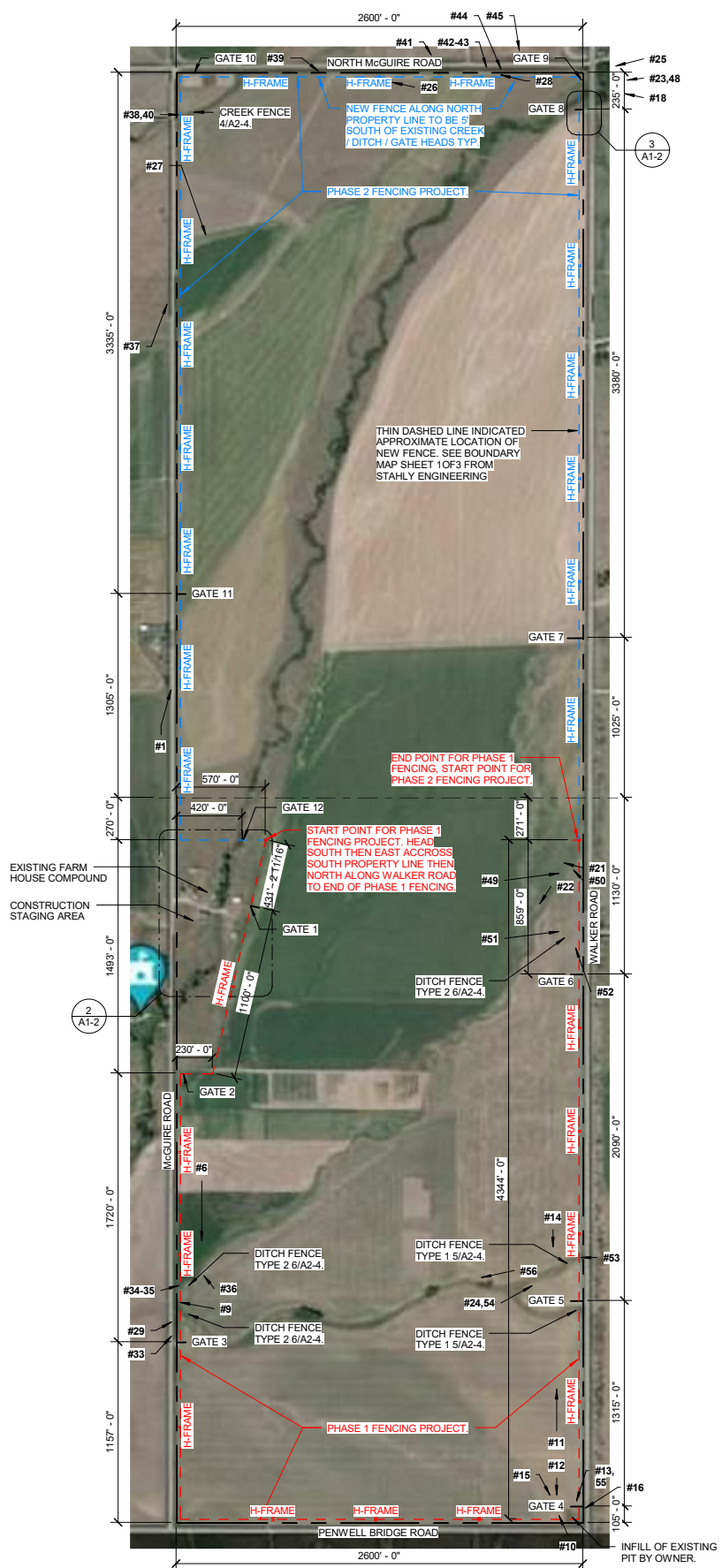
SHEET

A1-1

DATE

08.15.23

FINAL CONSTRUCTION SET (100%)



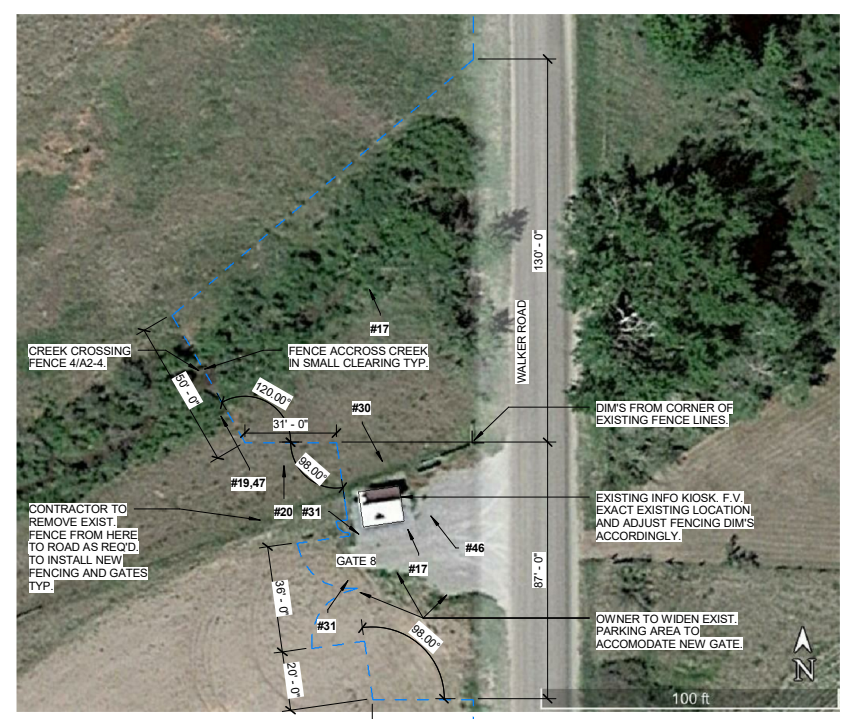
1 SITE PLAN
A1-2 1 : 6000



2 ENLARGED SITE PLAN @ FARM
A1-2 1" = 100'-0"

GATE / FENCING NOTES:

1. SEE SITE PLAN FOR GATE NUMBERS AND APPROXIMATE LOCATIONS. OWNER WILL STAKE FINAL GATE LOCATIONS.
2. SEE PROJECT SPECIFICATIONS FOR MORE DETAILED INFORMATION REGARDING POSTS, BRACES, FASTENERS, FENCING, GATES, ETC.
3. GATES 1, 2, 4, 5, 6, 7, 9, & 11 TO BE 36' WIDE OPENINGS WITH (2) 18' GATES PER DETAILS 4, 5 & 6 / A2-2.
4. GATE 3 TO BE 36' WIDE OPENINGS WITH (2) 18' GATES, (1) 4' MAN GATE AND 10' STEP BACK PER DETAILS 1, 2, 3 & 4 / A2-3.
5. GATE 8 TO BE 36' WIDE OPENINGS WITH (2) 18' GATES, (1) 4' MAN GATE IN CUSTOM CONFIGURATION AROUND EXISTING INFORMATION KIOSK PER DETAILS 1, 2, 3 & 4 / A2-5.
6. GATES 10 & 12 TO BE 18' WIDE OPENINGS WITH A SINGLE 18' GATE PER DETAILS 1, 2 & 3 / A2-2.
7. CORNER FRAME AND "H" FRAME DETAILS ARE ON SHEET A2-1. PROVIDE ONE "H" FRAME (INTERIOR FENCE LINE BRACE) EVERY 1/8 MILE OR 660'.
8. DITCH AND CREEK CROSSING FENCE DETAILS ARE ON SHEET A2-4.
9. PROVIDE 1 SET OF RACHET WIRE TIGHTENERS EVERY 1/4 MILE OR 1320'. ONE RACHET FOR EACH HORIZONTAL WIRE TYPICAL.
10. GAME FENCING TO BE FIXED KNOT HIGH TENSILE WOVEN WIRE THAT IS 96" TALL. HOLD BOTTOM OF FENCING TIGHT TO SURFACE OF EXISTING GRADE. INSTALL FENCING WITH SMALLER OPENINGS AT THE TOP OF THE FENCE. SEE PROJECT SPECIFICATIONS FOR MORE INFORMATION.
11. SMALL NUMBERS WITH ARROWS ON THESE AERIAL IMAGES INDICATE APPROXIMATE LOCATIONS WHERE THE EXISTING CONDITIONS PHOTOS ON SHEET A4-1 WERE TAKEN.
12. SEE ATTACHED CIVIL DRAWINGS 1 OF 3 THRU 3 OF 3 BY STAHLY ENGINEERING FOR ADDITIONAL SITE, SURVEY AND TOPO INFORMATION REGARDING THIS PROPERTY.
13. ON STRAIGHT RUNS OF FENCING, PROVIDE 12' T-POSTS @ 12' O.C. WITH 8' OF T-POST EXPOSED ABOVE GRADE. INSTALL ONE 2-7/8" DRILL STEM POST EVERY 96' IN PLACE OF T-POST ALONG THOSE STRAIGHT RUNS OF FENCING.



3 ENLARGED SITE PLAN @ KIOSK
A1-2 1" = 30'-0"



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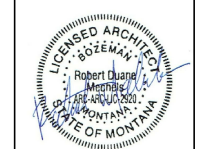
FINAL CONSTRUCTION SET (100%)

LUTZ FARM

WILDLIFE FENCE

HHA
HIP & HUMBLE ARCHITECTURE, LLC
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406.581.3532

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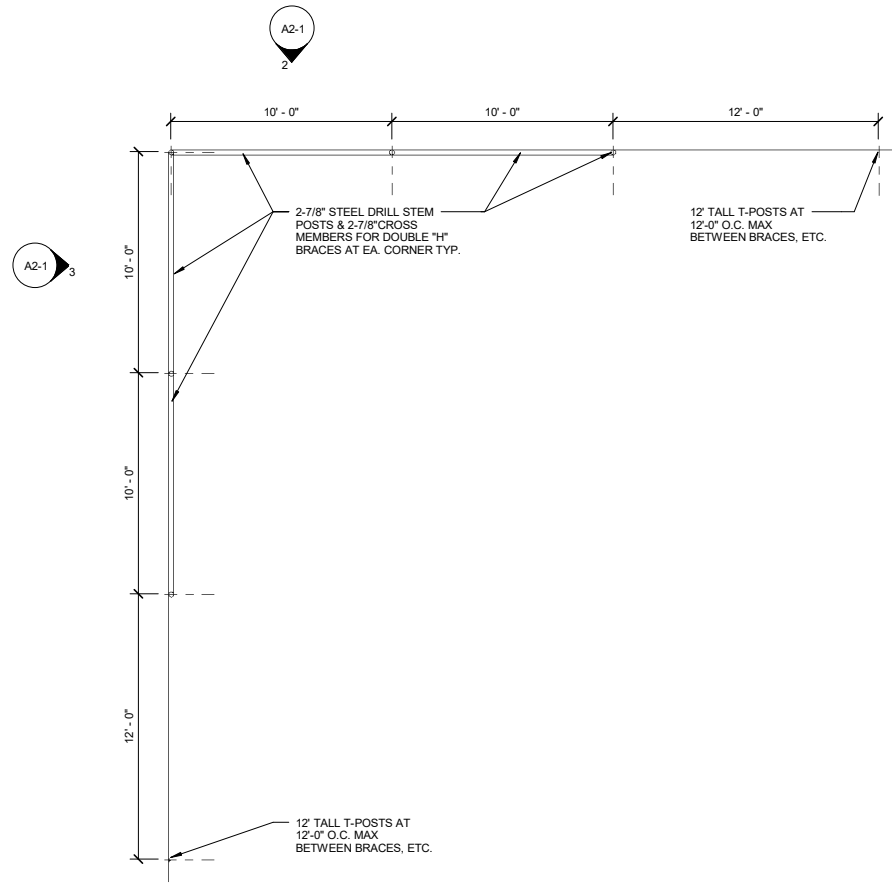


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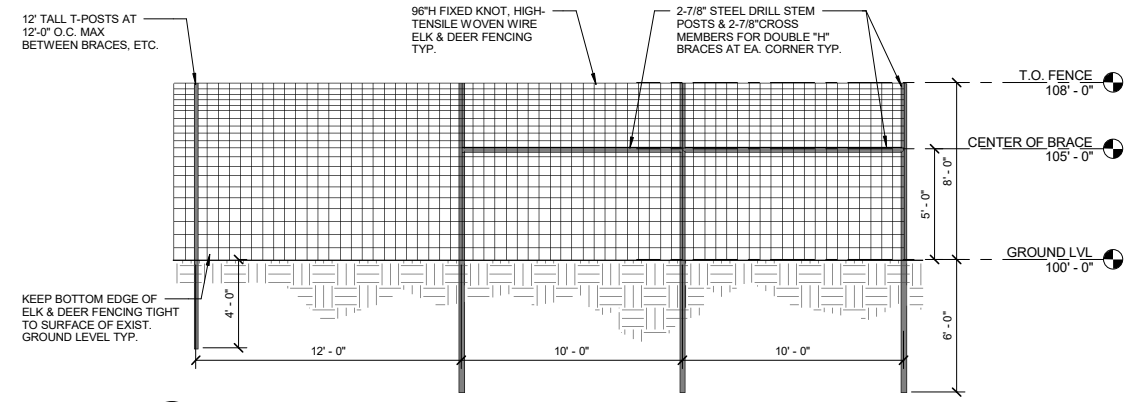
CONSULTANT#:
SHEET TITLE

SITE INFORMATION
SHEET
A1-2

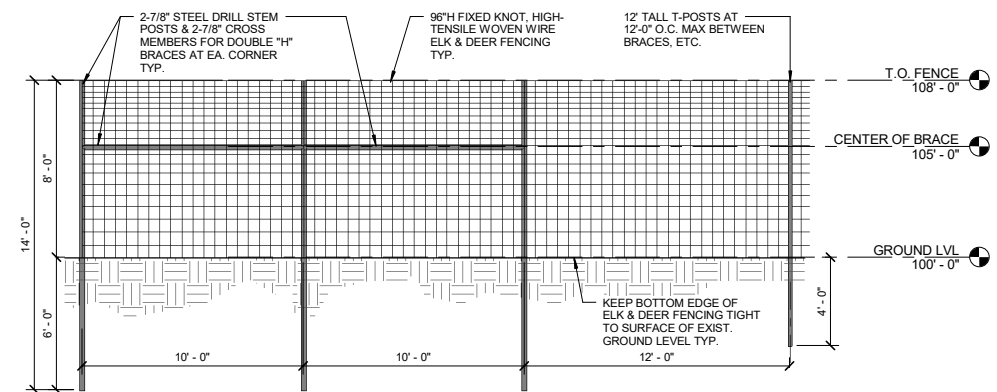
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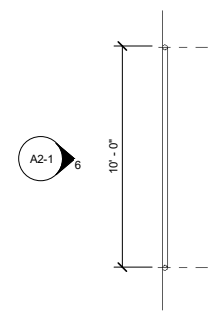
1 TYP. CORNER PLAN
1/4" = 1'-0"



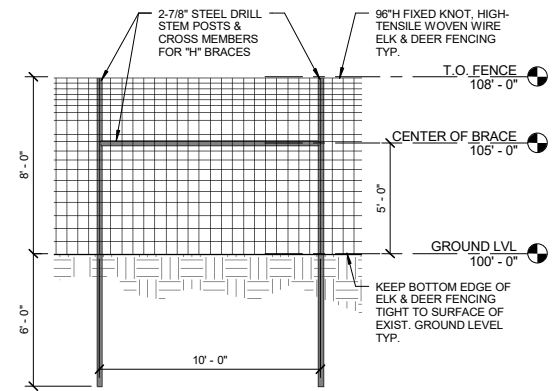
2 CORNER BRACE NORTH ELEV
1/4" = 1'-0"



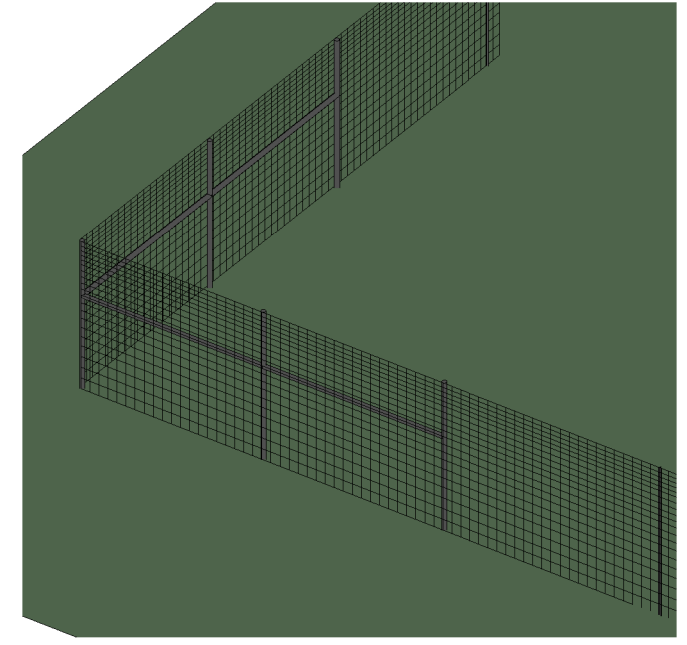
3 CORNER BRACE WEST ELEV
1/4" = 1'-0"



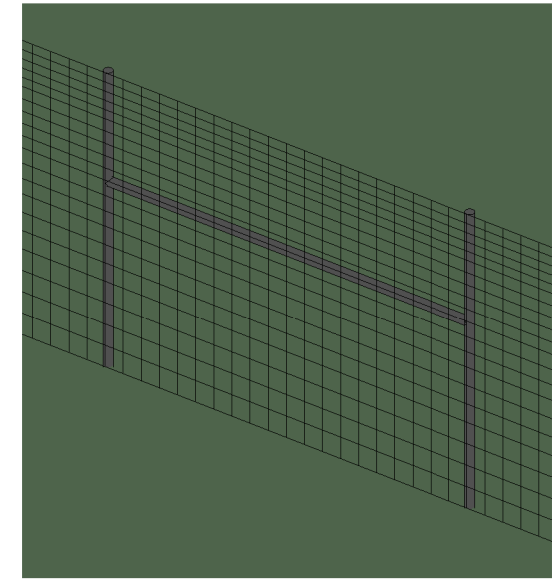
5 TYP. H-FRAME PLAN
1/4" = 1'-0"



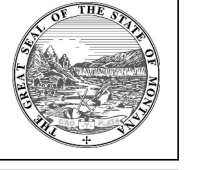
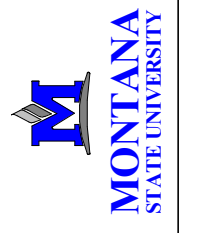
6 TYPICAL H-BRACE ELEV
1/4" = 1'-0"



4 3D VIEW OF CORNER FRAME



7 3D VIEW OF H FRAME



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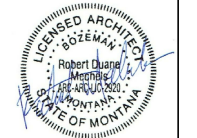
FINAL CONSTRUCTION SET (100%)

LUTZ FARM

WILDLIFE FENCE

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CONSULTANT#:

SHEET TITLE

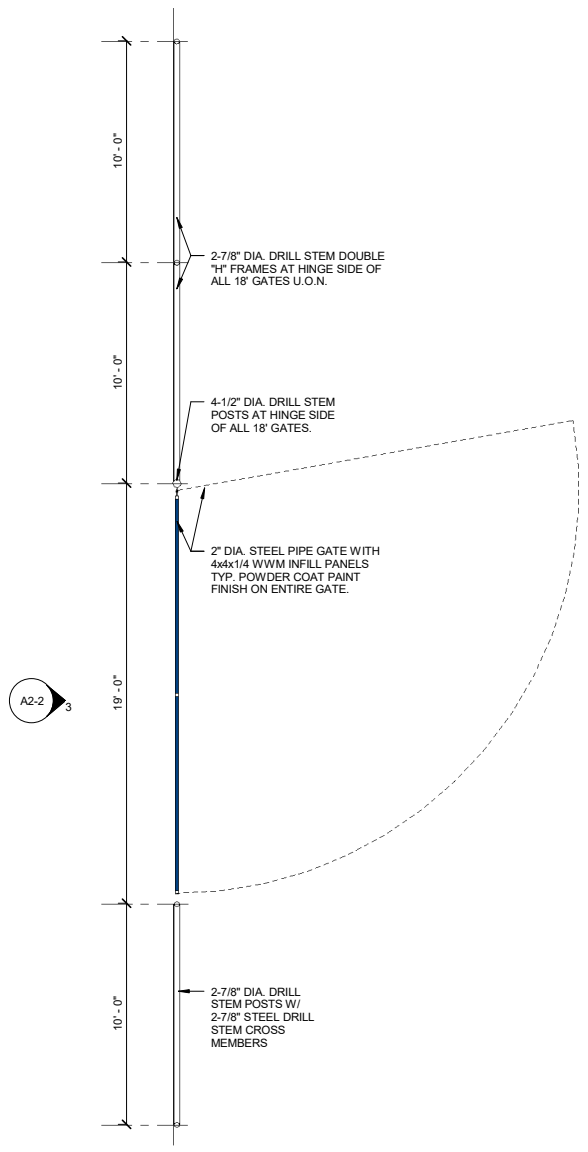
CORNERS & H-FRAMES

SHEET

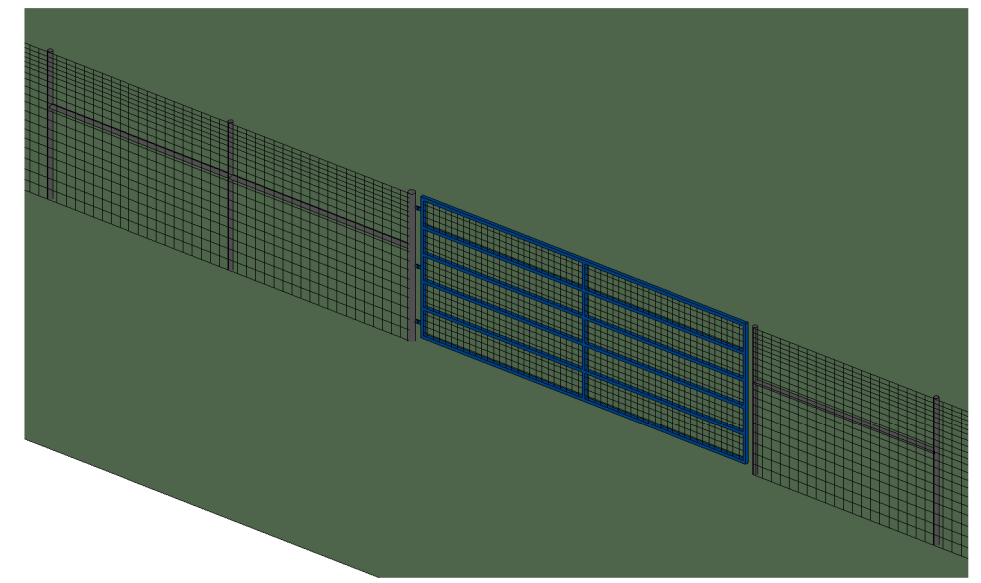
A2-1

DATE
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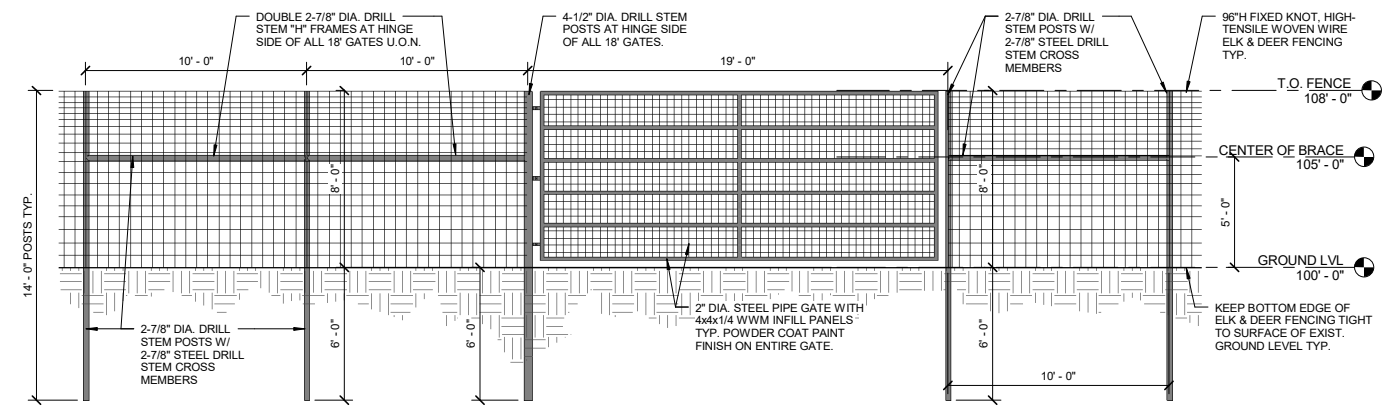
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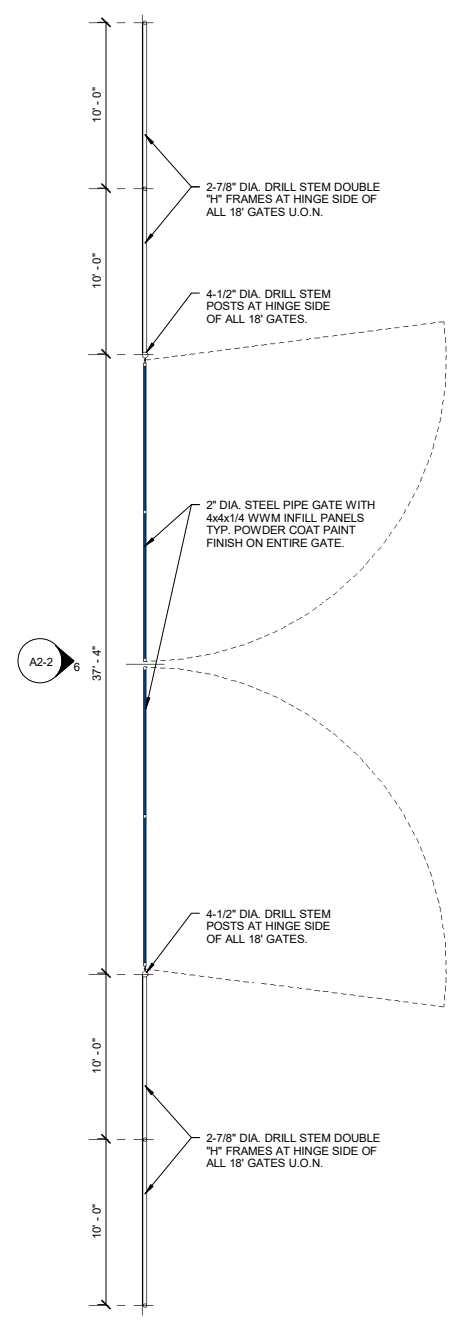
1 TYP. 18' GATE PLAN
1/4" = 1'-0"



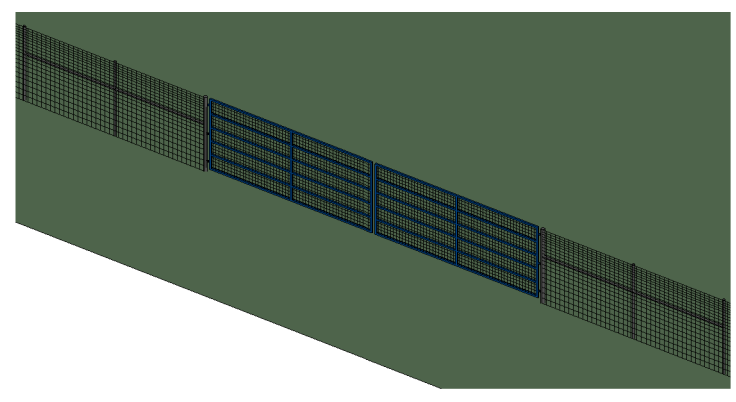
2 3D VIEW OF 18' GATES



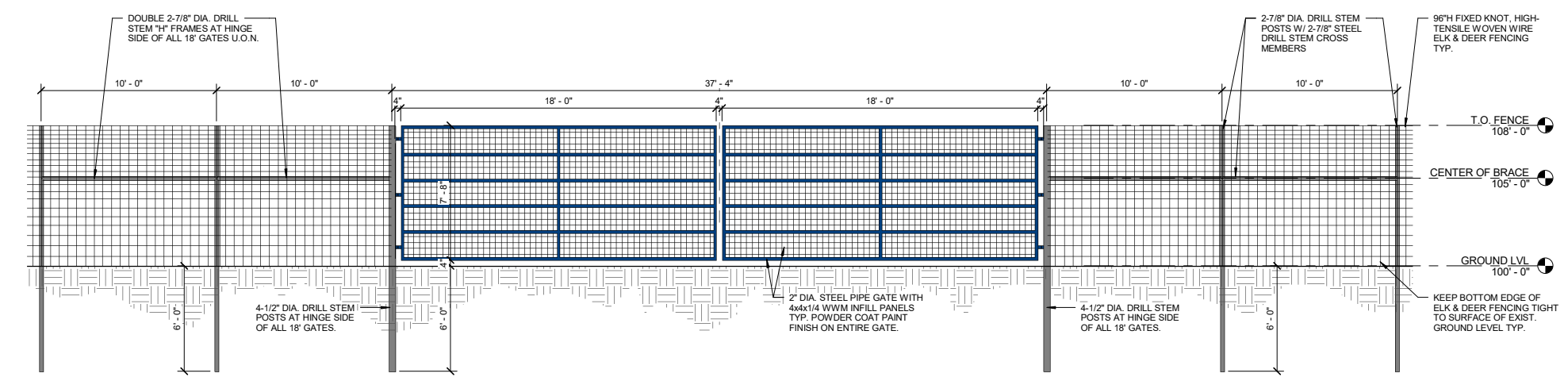
3 TYP. 18' GATE ELEV
1/4" = 1'-0"



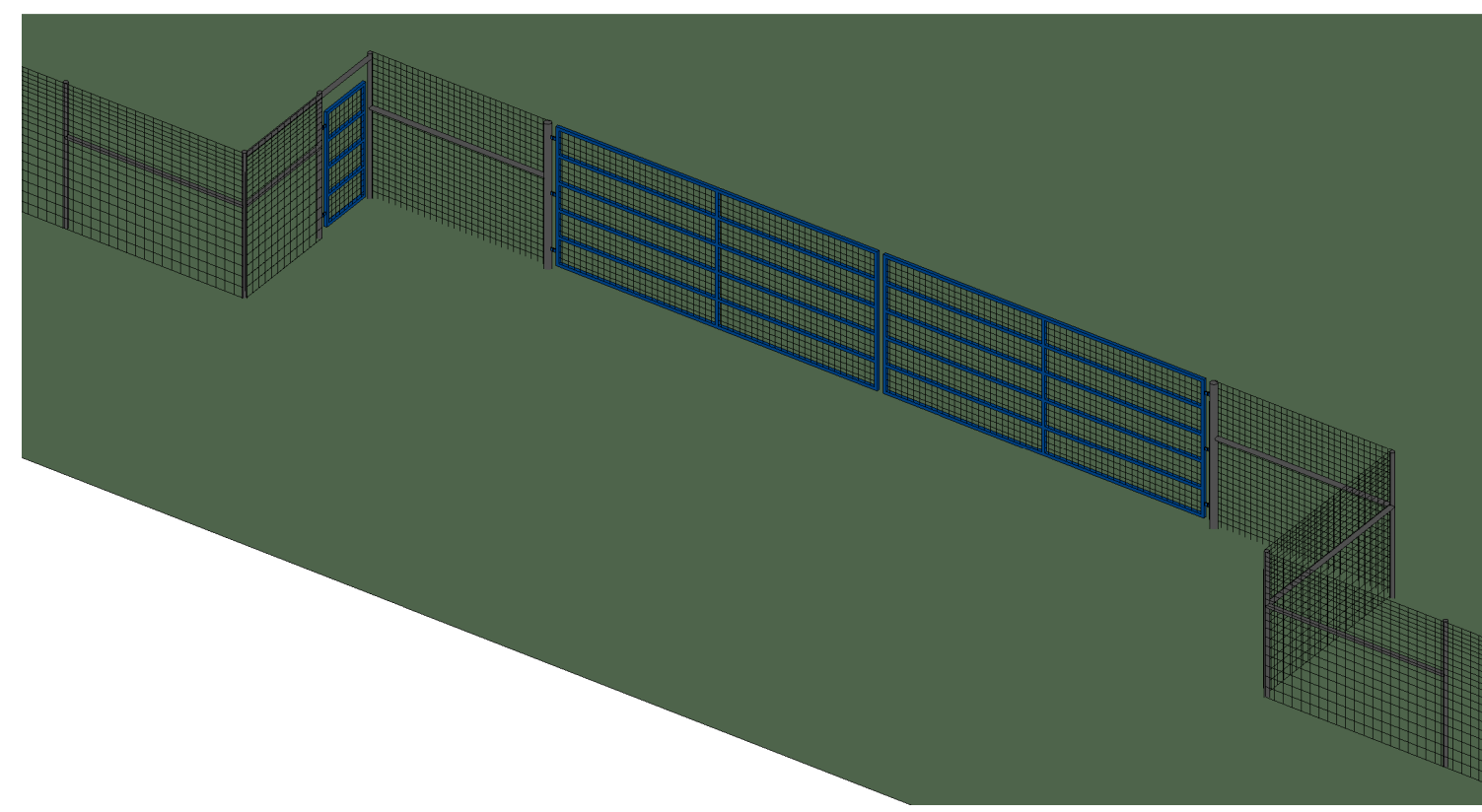
4 TYP. 36' GATE PLAN
3/16" = 1'-0"



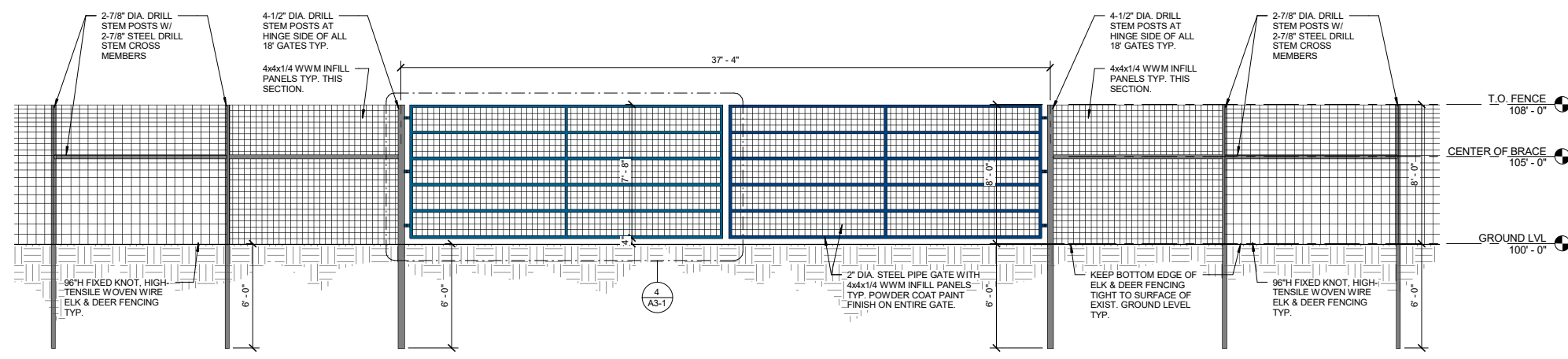
5 3D VIEW OF 36' GATES



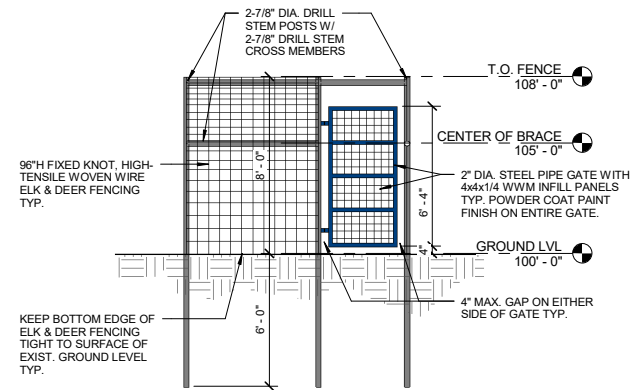
6 TYP. 36' GATE ELEV
1/4" = 1'-0"



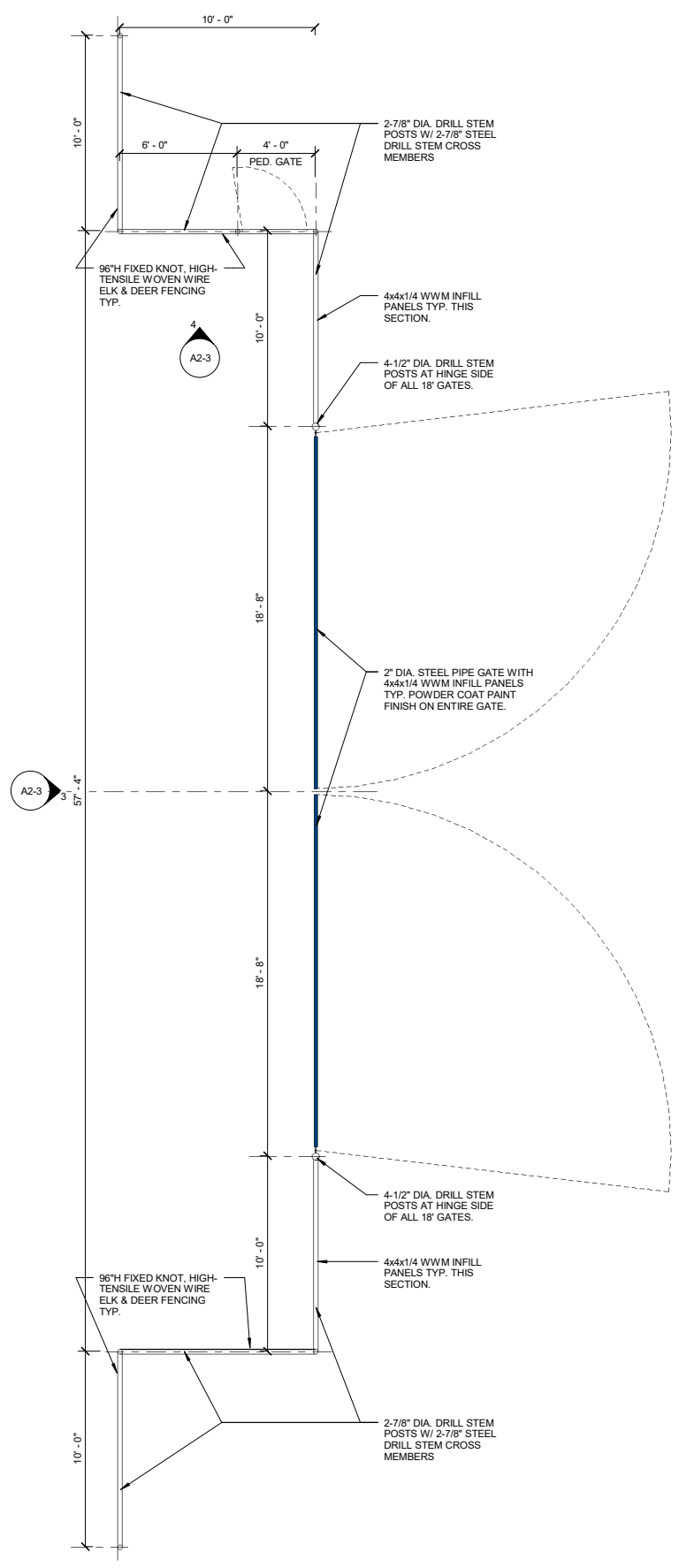
2 3D VIEW OF RECESSED GATES
A2-3



3 TYP. RECESSED GATE ELEV
A2-3
1/4" = 1'-0"



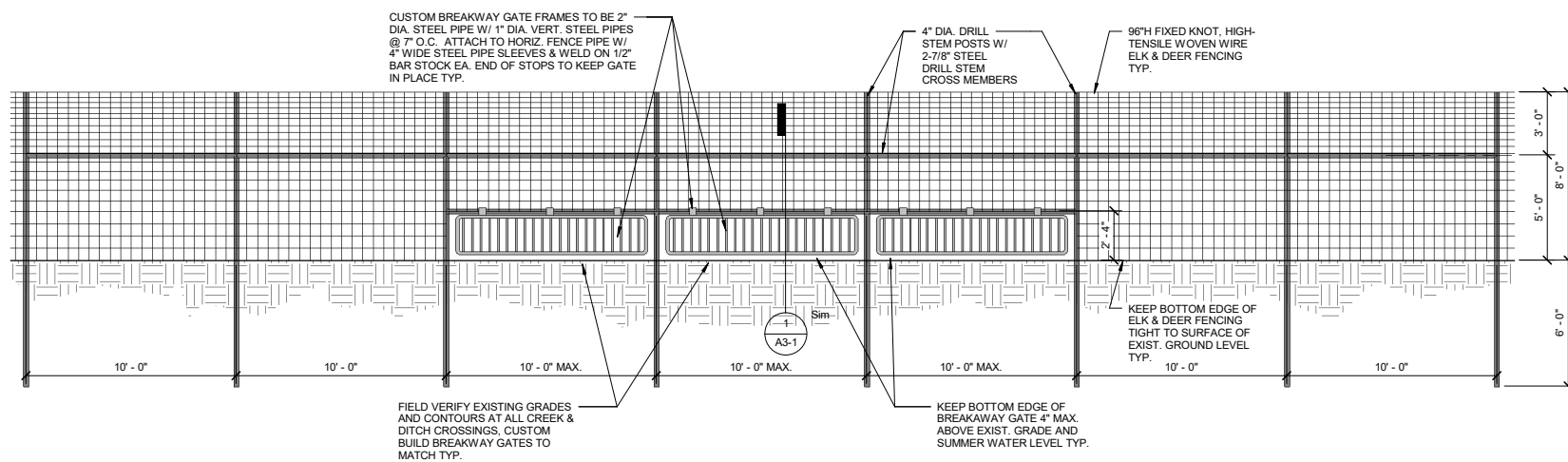
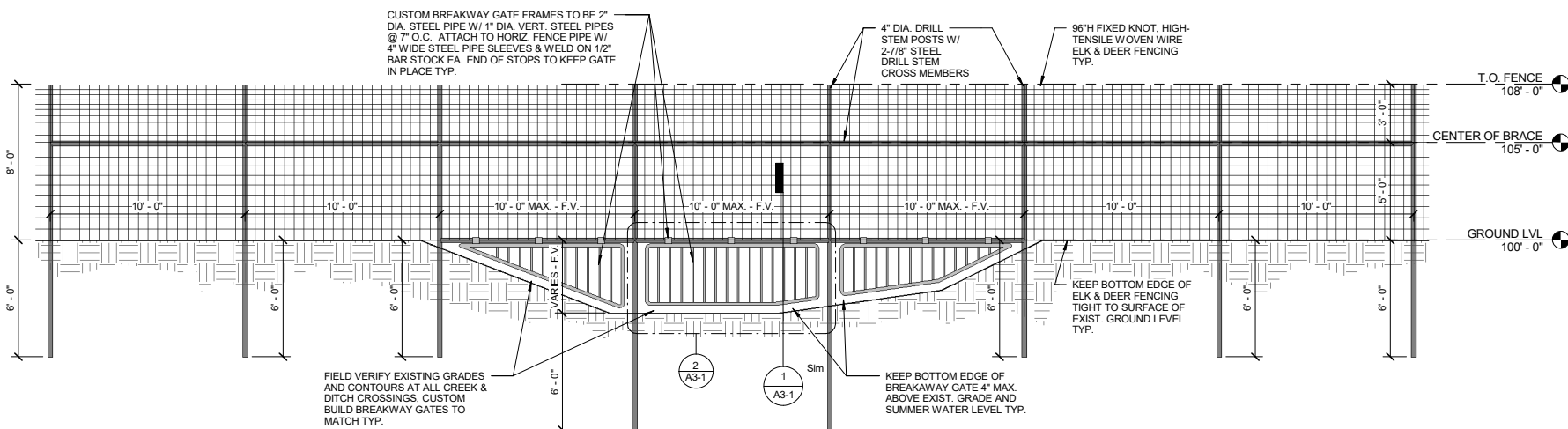
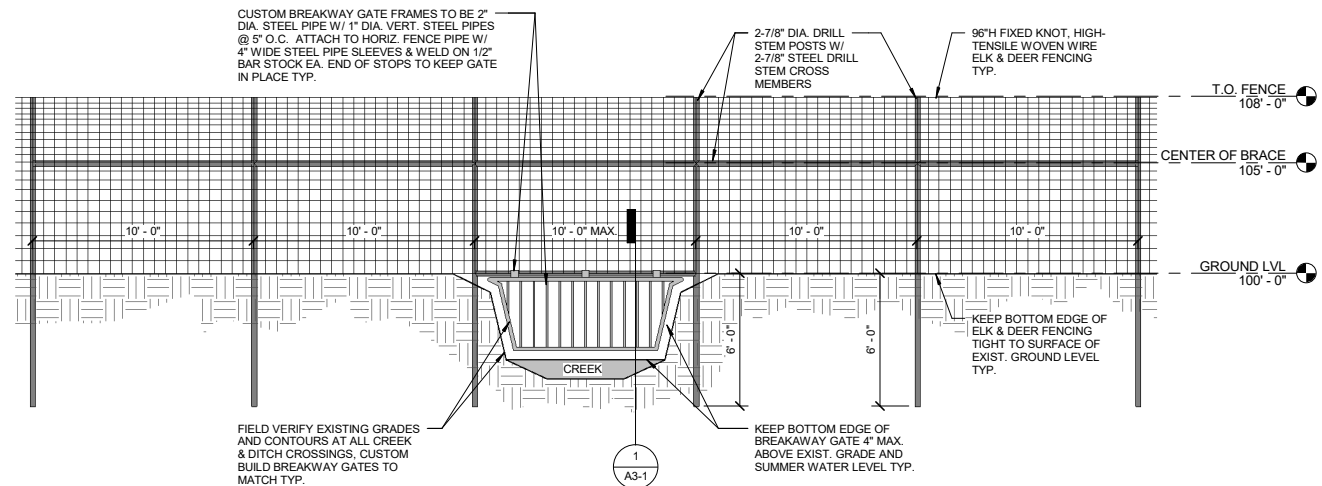
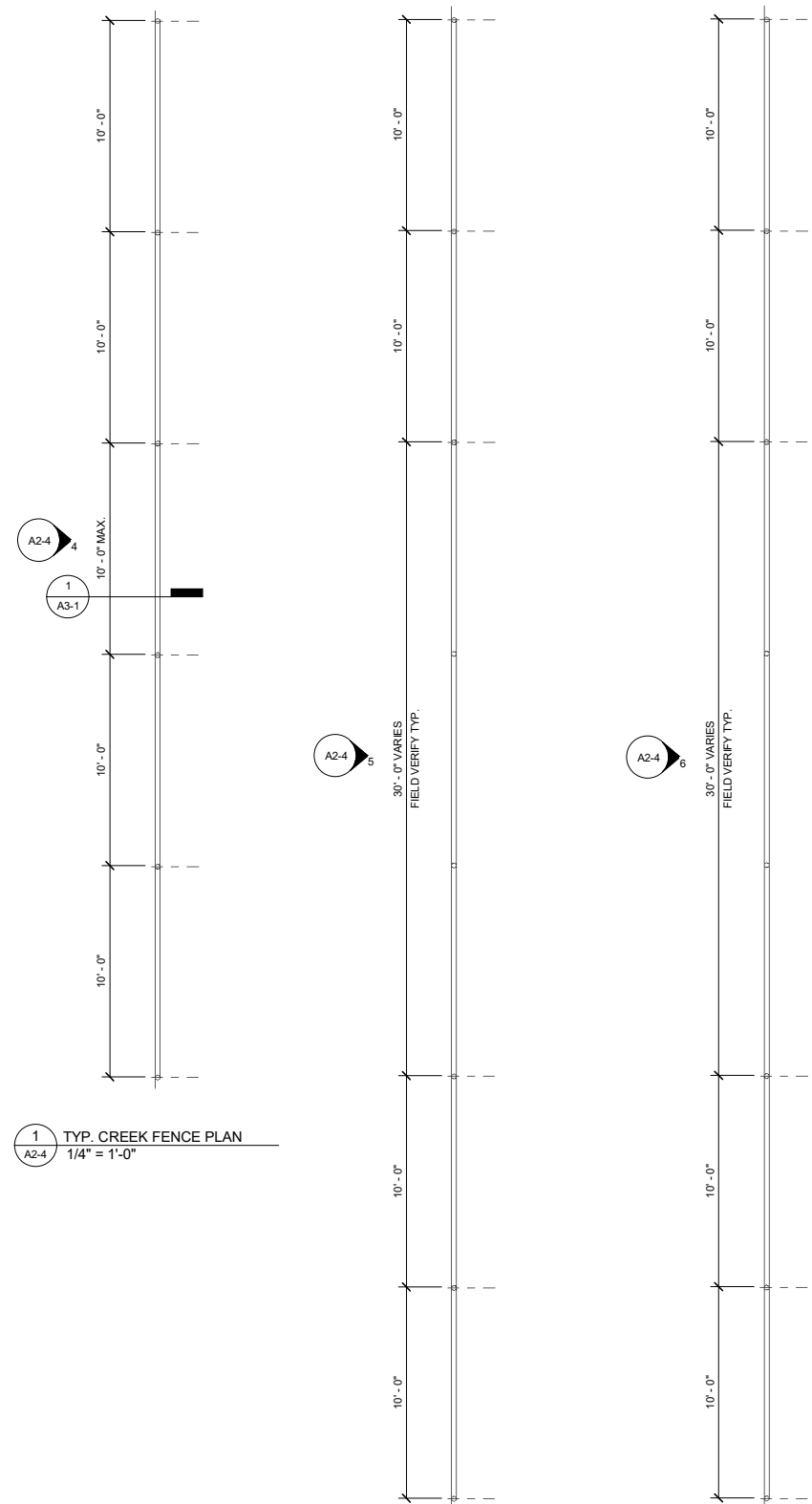
4 RECESSED GATE SIDE ELEV
A2-3
1/4" = 1'-0"

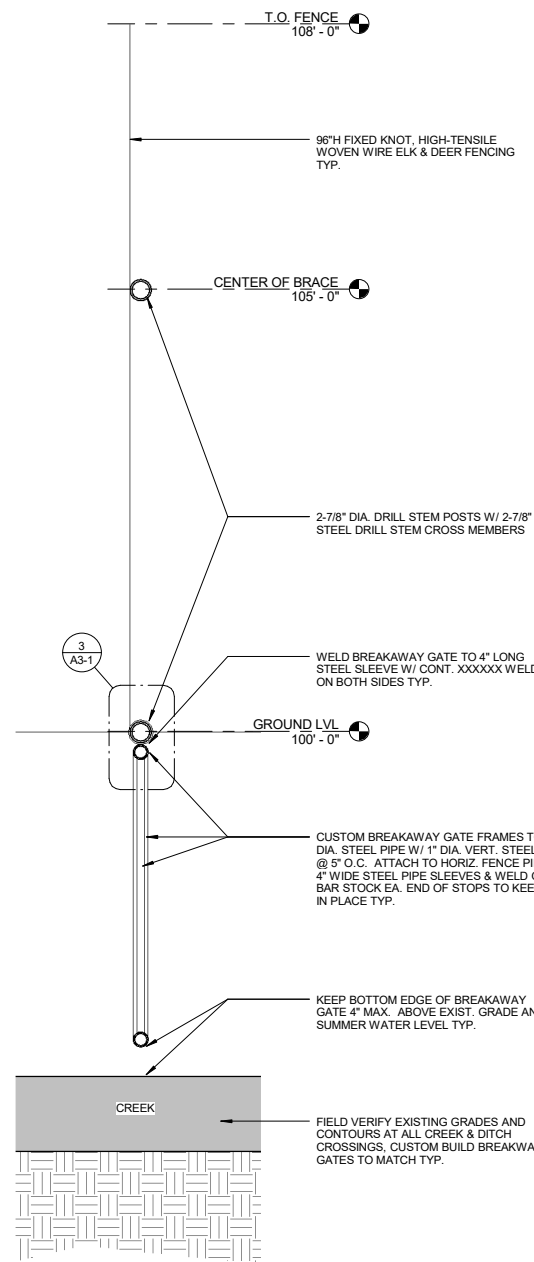


1 TYP. RECESSED GATE PLAN
A2-3
1/4" = 1'-0"

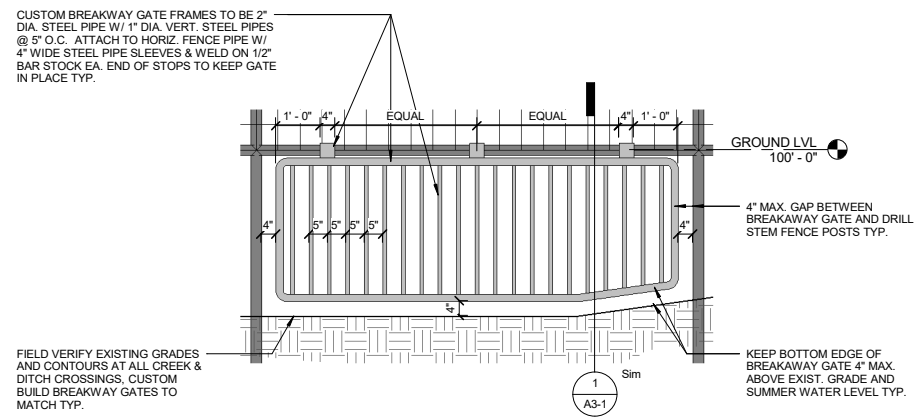
FINAL CONSTRUCTION SET (100%)

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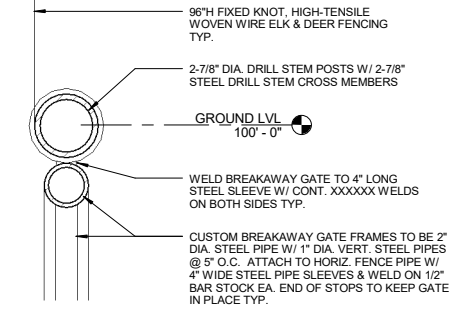




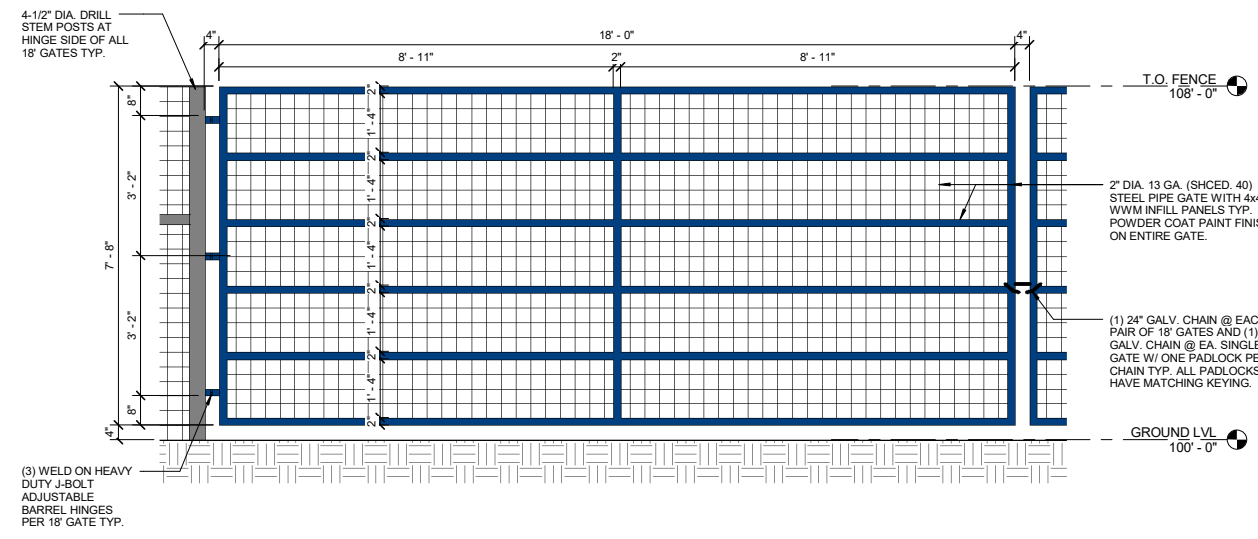
1 SECTION @ BREAKAWAY GATE
A3-1 1" = 1'-0"



2 DETAIL 1 @ BREAKAWAY GATE
A3-1 1/2" = 1'-0"



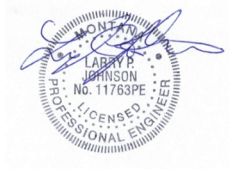
3 DETAIL 2 @ BREAKAWAY GATE
A3-1 3" = 1'-0"



4 DETAIL @ TYP. 18' GATE
A3-1 1/2" = 1'-0"

PROJECT MATERIAL SPECIFICATIONS:

- FIXED KNOT WILDLIFE FENCING:** ALL WILDLIFE FENCING TO BE 96" HEIGHT WITH 20 HORIZONTAL WIRES AND VERTICAL WIRES AT 6" O.C. SPECIFIED AS 2096-6 12.5 GA HIGH TENSILE CLASS 3 FIXED KNOT GAME FENCE WITH A PROTECTIVE COATING ON ALL COMPONENTS TO PROVIDE A 30 YEAR WARRANTY. FENCING TO BE INSTALLED TIGHT TO THE SURFACE OF THE EXISTING GRADE AND INSTALLED WITH THE TIGHT 3" WIRE SPACING TOWARDS THE TOP AND THE WIDE 7" WIRE SPACING TOWARDS THE BOTTOM OF THE FENCE. BASIS OF SPECIFICATION IS SOLIDLOCK PRO 30 BY BEKAERT. APPROVED ALTERNATE MANUFACTURERS INCLUDE KENCOVE, HUTCHINSON AND STAY TUFF FENCE. SUBSTITUTION REQUESTS FOR EQUAL OR GREATER PRODUCTS WILL BE REVIEWED BY OWNER AND ARCHITECT DURING THE BIDDING PROCESS.
- T-POSTS:** ALL T-POSTS TO BE GALVANIZED HEAVY DUTY T-POSTS WITH A STUDDED BOTTOM PLATE, 12" IN LENGTH, 1.33 LB PER FOOT. BASIS OF SPECIFICATION IS KENCOVE. PROVIDE GALVANIZED STEEL CLIPS FOR SECURELY ATTACHING WIRE FENCE TO T-POSTS FROM T-POST MANUFACTURER. PROVIDE ONE CLIP PER 12" OF POST HEIGHT ABOVE GROUND. 8" EXPOSED POST REQUIRES 9 CLIPS TYPICAL. SUBSTITUTION REQUESTS FOR EQUAL OR GREATER PRODUCTS WILL BE REVIEWED BY OWNER AND ARCHITECT DURING THE BIDDING PROCESS.
- RATCHET STRAINERS:** ALL RATCHET STRAINERS TO HAVE 11 TOOTH SPOOL FOR FINE TENSION CONTROL, GALVANIZED REINFORCED FRAME AND SPRING CLIP. HIGHLY CONDUCTIVE IF USED WITHIN AN ELECTRICAL STRAND. BASIS OF SPECIFICATION IS THE XT1 RATCHET STRAINER BY STRAINRITE FENCING SYSTEMS. PROVIDE ONE STRAINER FOR EACH HORIZONTAL WIRE AT EACH H-FRAME BRACE WHICH ARE LOCATED EVERY 1/4 MILE OR 1320'. SUBSTITUTION REQUESTS FOR EQUAL OR GREATER PRODUCTS WILL BE REVIEWED BY OWNER AND ARCHITECT DURING THE BIDDING PROCESS.
- CORNER FRAMES:** ALL CORNERS, UNLESS OTHERWISE NOTED, TO RECEIVE DOUBLE H-BRACES CONSTRUCTED FROM 2-7/8" DRILL STEM PIPING WITH VERTICALS AT 10' O.C. AND A HORIZONTAL BRACE AT 5' ABOVE GRADE ALSO CONSTRUCTED FROM 2-7/8" DRILL STEM PIPE. SEE PLANS, ELEVATIONS AND 3D VIEWS ON SHEET A2-1 FOR MORE INFORMATION.
- H-FRAME IN-LINE BRACES:** ALL IN-LINE BRACES, UNLESS OTHERWISE NOTED, TO SINGLE H-BRACES CONSTRUCTED FROM 2-7/8" DRILL STEM PIPING WITH VERTICALS AT 10' O.C. AND A HORIZONTAL BRACE AT 5' ABOVE GRADE ALSO CONSTRUCTED FROM 2-7/8" DRILL STEM PIPE. SEE PLANS, ELEVATIONS AND 3D VIEWS ON SHEET A2-1 FOR MORE INFORMATION.
- GATE FRAME POSTS AND BRACES:** HINGE SIDE OF ALL 18' GATES TO HAVE A 4-1/2" DIA. X 14' LONG GATE POST AND AN ADJACENT DOUBLE H-BRACE CONSTRUCTED FROM 2-7/8" DRILL STEM PIPING WITH VERTICALS AT 10' O.C. AND A HORIZONTAL BRACE AT 5' ABOVE GRADE ALSO CONSTRUCTED FROM 2-7/8" DRILL STEM PIPE. SEE PLANS, ELEVATIONS AND 3D VIEWS ON SHEET A2-2 & A2-3 FOR MORE INFORMATION.
- CUSTOM FABRICATED METAL GATES:** ALL GATE FRAMES TO BE FABRICATED FROM 2" DIA. 13 GAUGE STEEL PIPE AND INFILLED WITH 4x4x1/4" WELDED WIRE FABRIC AS INDICATED ON SHEET A3-1.
- GATE ACCESSORIES:**
 - LOCKS AND CHAINS:** PROVIDE ONE MASTERLOCK PADLOCK AND ONE CHAIN HARDWARE PACKAGE FOR EACH SINGLE 18' GATE AND EACH PAIR OF TWO 18' GATES. ALL PADLOCKS TO BE KEVED THE SAME SO THAT ONE KEY WILL OPEN ALL OF THE GATE LOCKS. CHAIN HARDWARE PACKAGE SHALL BE MINIMUM OF 24" LONG FOR PAIRED GATES AND 30" LONG FOR SINGLE GATES. BASIS OF SPECIFICATION IS BEHLEN COUNTRY CHAIN HARDWARE PACKAGE. SUBSTITUTION REQUESTS FOR EQUAL OR GREATER PRODUCTS WILL BE REVIEWED BY OWNER AND ARCHITECT DURING THE BIDDING PROCESS.
 - GATE HINGES:** ALL GATE HINGES TO BE HEAVY DUTY WELD ON J-BOLT ADJUSTABLE BARREL HINGES WITH 3/4" ADJUSTABLE BOLT SPECIALLY MADE FOR HEAVY GATES WITH 180 DEGREE SWING. THE HINGE ATTACHES TO THE GATE POST AND J-BOLT ARM ATTACHES TO GATE. HINGE PIVOTS ON A STEEL BALL BEARING AND INCLUDES A GREASE ZERK FOR LONG TERM MAINTENANCE. BASIS OF SPECIFICATION IS NEDS WELD ON J-BOLT ADJUSTABLE BARREL HINGE WITH BLACK POWDER COAT FINISH. APPROVED ALTERNATE MANUFACTURERS INCLUDE KENCOVE, HUTCHINSON AND STAY TUFF FENCE. SUBSTITUTION REQUESTS FOR EQUAL OR GREATER PRODUCTS WILL BE REVIEWED BY OWNER AND ARCHITECT DURING THE BIDDING PROCESS.
 - GATE WHEELS:** PROVIDE EACH 18' GATE WITH ONE 6" DIAMETER TIRE GRADE SOLID RUBBER GATE WHEEL WITH CLAMP TO FIT 2" DIA. GATE FRAME ALL WITH GALVANIZED FINISH ON ALL STEEL PARTS FOR RUST FREE FINISH. BASIS OF SPECIFICATION IS MOFEZ GATE WHEEL FOR METAL SWING GATE WITH MAX. 2" DIA. FRAME. SUBSTITUTION REQUESTS FOR EQUAL OR GREATER PRODUCTS WILL BE REVIEWED BY OWNER AND ARCHITECT DURING THE BIDDING PROCESS.
 - MAN GATE LATCHES:** PROVIDE EACH 4' MAN GATE WITH ONE 2-WAY LOCKABLE STEEL GATE LATCH FOR 2" DIA. ROUND TUBE GATE FRAME. BASIS OF SPECIFICATION IS SPEECO S16100100. APPROVED ALTERNATE MANUFACTURERS INCLUDE POWERFIELDS, KOCH INDUSTRIES AND IRONTON. SUBSTITUTION REQUESTS FOR EQUAL OR GREATER PRODUCTS WILL BE REVIEWED BY OWNER AND ARCHITECT DURING THE BIDDING PROCESS.
- DRILL STEM PIPE:**
 - 2-7/8" - OWNER WILL PROVIDE 80 PIECES OF 2-7/8" DIA. DRILL STEM PIPE IN 30' LENGTHS. ALL FABRICATION, CUTTING, WELDING, SUPPLIES, EQUIPMENT, INSTALLATION AND FABRICATION LABOR, ACCESSORIES AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE PROJECT WILL BE PROVIDED BY FENCING CONTRACTOR.
 - 4-1/2" - OWNER WILL NOT PROVIDE ANY 4-1/2" DIA. DRILL STEM PIPE. ALL FABRICATION, CUTTING, WELDING, SUPPLIES, EQUIPMENT, INSTALLATION AND FABRICATION LABOR, ACCESSORIES AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE PROJECT WILL BE PROVIDED BY FENCING CONTRACTOR.
 - ALL SIZES OF DRILL STEM PIPE PROVIDED BY THE FENCING CONTRACTOR SHALL BE FROM A SOURCE THAT GUARANTEES THE PIPE TO BE FREE FROM RADIATION AND OTHER TOXIC CHEMICALS.
- WELDING:**
 - ALL WELD BACK UP BARS SHALL BE REMOVED AND GROUND SMOOTH AFTER WELD IS COMPLETED UNLESS NOTED OTHERWISE.
 - ALL WELDS INDICATED SHALL MEET THE MINIMUM SIDE SPECIFIED BY THE AISC MANUAL OF STEEL DESIGN (SINGLE PASS AS REQUIRED).
 - ALL WELDS SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH A.W.S. SPECIFICATIONS, LATEST EDITIONS. ALL WELDING ELECTRODES SHALL CONFORM TO A.W.S. A5.1 GRADE E-70. BARE ELECTRODES AND GRANULAR FLUX SHALL CONFORM TO A.W.S. A5.17, F70 A.W.S. FLUX CLASSIFICATION.
 - WELDING ELECTRODES WILL BE E70XX, WELDS 1/8" MIN ON GATES, POSTS AND BRACES. ALL WELDING AND TESTING OF WELDS WILL BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY OF CODES AND RECOMMENDATIONS. WELDERS SHALL HOLD CURRENT VALID CERTIFICATIONS.

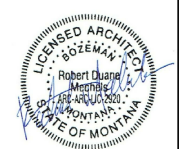


FINAL CONSTRUCTION SET (100%)

LUTZ FARM
WILDLIFE FENCE



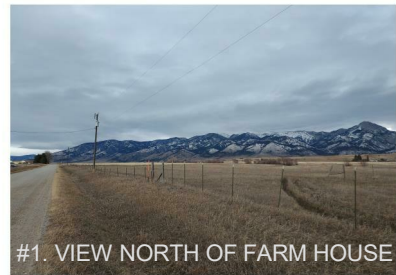
DRAWN BY:	RM	
REVIEWED BY:	DB	
REV.	DESCRIPTION	DATE



PPA#21- 0122
A/E#00-00-00
CONSULTANT#:
SHEET TITLE
DETAILS & SPECIFICATIONS
SHEET
A3-1
DATE
08.15.23



MSU-CPDC
MONTANA STATE UNIVERSITY
BOZEMAN, MONTANA
PHONE: 406.994.5413
FAX: 406.994.5665



#1. VIEW NORTH OF FARM HOUSE



#2. EXIST. FENCE / CREEK



#5. EXISTING FENCE / SHED



#6. VIEW SOUTH OF FARM HOUSE



#9. EXIST. CULVERTS ON McGUIRE



#10. OWNER FILL AREA SE CORNER



#3. STAGING AREA



#4. EXISTING FENCE / SHED



#7. EXIST. FENCE / CREEK



#8. EXISTING CREEK / SILOS



#11. VIEW NORTH ON WALKER RD.



#12. OWNER FILL AREA SE CORNER



#13. EXIST. TEST WELL @ SE CORNER



#14. LOOKING SOUTH ALONG WALKER



#17. EXIST. CREEK N. OF KIOSK



#18. EXISTING N.E. GATE / CORNER



#21. EXIST. DITCH ALONG WALKER



#22. EXIST. DITCH ALONG WALKER



#15. OWNER FILL AREA @ SE CORNER



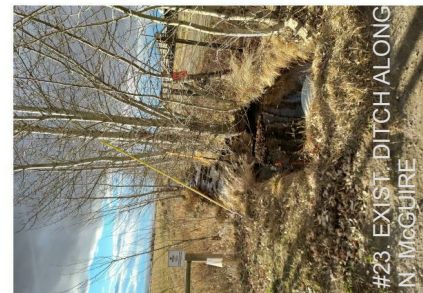
#16. TEST WELL / FILL AREA



#19. EXIST. CREEK N. OF KIOSK



#20. EXIST. CREEK N. OF KIOSK



#23. EXIST. DITCH ALONG N. McGUIRE



#24. EXIST. LOWLAND ALONG WALKER



#25. EXIST. GATE @ N.E. CORNER



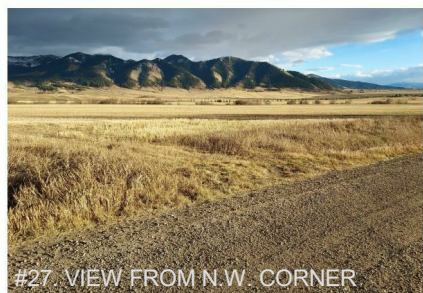
#26. EXIST. PUMP STATION ALONG N. McGUIRE



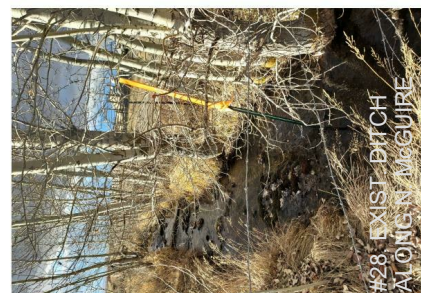
#29. EXIST. SW SIGNAGE



#30. EXIST. KIOSK



#27. VIEW FROM N.W. CORNER



#28. EXIST. DITCH ALONG N. McGUIRE



#31. EXIST. KIOSK PARKING



#32. EXIST. KIOSK PARKING

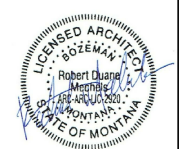


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MONTANA STATE UNIVERSITY
BOZEMAN, MONTANA
PHONE: 406.994.5413
FAX: 406.994.5665

FINAL CONSTRUCTION SET (100%)
LUTZ FARM
WILDLIFE FENCE



DRAWN BY: **RM**
REVIEWED BY: **DB**



PPA#21- 0122
A/E#00-00-00
CONSULTANT#:
SHEET TITLE
EXISTING
CONDITIONS
SHEET
A4-1
DATE
08.15.23



#33. VIEW OF SW KIOSK



#34. VIEW OF SW CULVERTS



#37. VIEW OF NW IRRIGATION SYSTEM



#38. VIEW OF NW CULVERT / CREEK



#41. VIEW OF N CREEK & ELECT



#42. VIEW OF N FENCE INTERSECTION



#35. VIEW OF SW CULVERTS



#36. VIEW OF WEST FENCING



#39. VIEW OF NORTH HEADGATE



#40. VIEW OF WEST CREEK



#43. VIEW OF N FENCES



#44. VIEW OF NORTH ELECTRICAL, DITCH & FENCE



#45. VIEW OF NE HEADGATE



#46. VIEW OF NE KIOSKS



#49. VIEW OF EAST CULVERT



#50. VIEW OF EAST CULVERT



#53. VIEW OF SE CULVERT / DRAINAGE



#54. VIEW OF SE CULVERT / DRAINAGE



#47. VIEW OF GAP IN VEGETATION FOR NEW CREEK FENCE BEHIND NORTH KIOSK



#48. VIEW OF NE CREEK, CULVERT, GATE AND FENCES



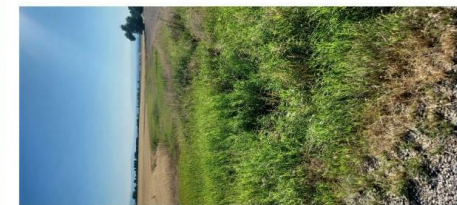
#51. VIEW OF EAST SE CULVERT



#52. VIEW OF EAST SE DRAINAGE



#55. VIEW OF SE CORNER WELL HEAD AND PIT



#56. VIEW OF SE DRAINAGE HEAD



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FINAL CONSTRUCTION SET (100%)

LUTZ FARM

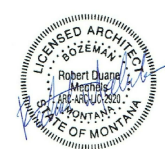
WILDLIFE FENCE



HIP & HUMBLE ARCHITECTURE, LLC
418 S. 5TH AVE.
BOZEMAN MT 59715
406.581.3832

DRAWN BY: **RM**
REVIEWED BY: **DB**

REV.	DESCRIPTION	DATE



PPA#21- 0122
A/E#00-00-00

CONSULTANT#:

SHEET TITLE

EXISTING

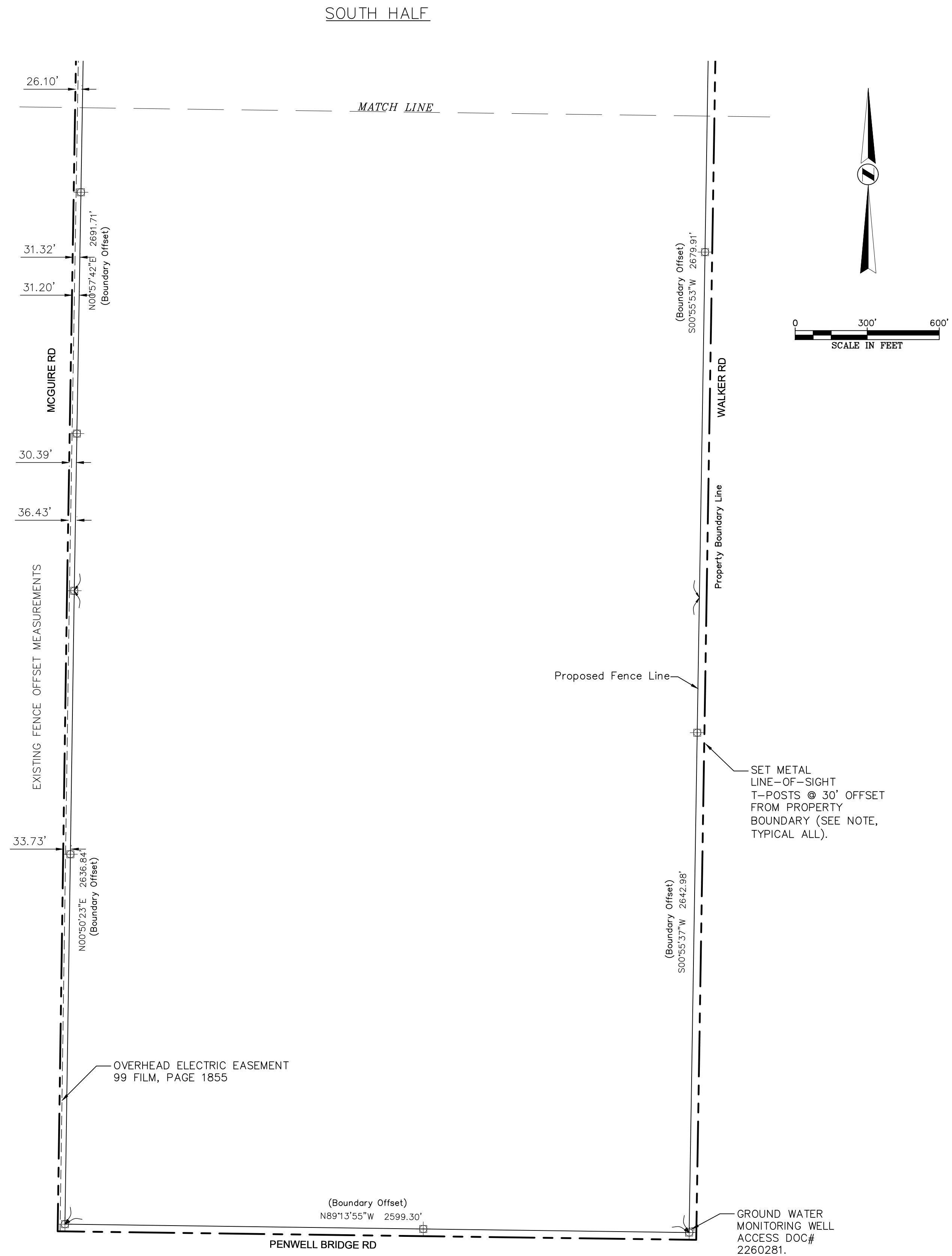
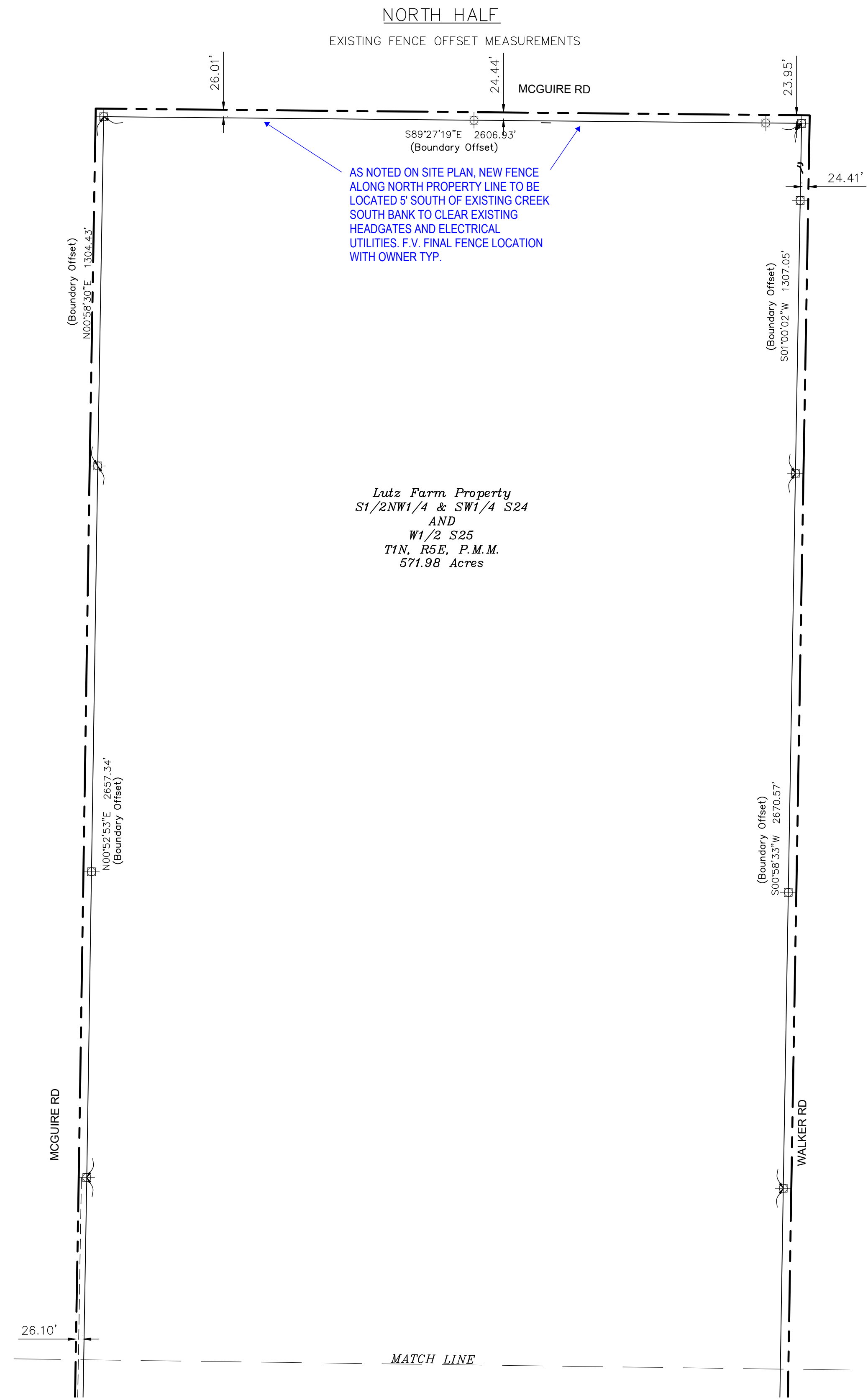
CONDITIONS

SHEET

A4-2

DATE

08.15.23



STAHLY ENGINEERING & ASSOCIATES

PROFESSIONAL ENGINEERS & SURVEYORS
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ISSUE/REVISION

No.	DATE	BY
1	10/05/21	NB

DESCRIPTION

BOUNDARY SURVEY

No.	DATE	BY
2		

DESCRIPTION

No.	DATE	BY
3		

DESCRIPTION

No.	DATE	BY
4		

DESCRIPTION

No.	DATE	BY
5		

DESCRIPTION

No.	DATE	BY

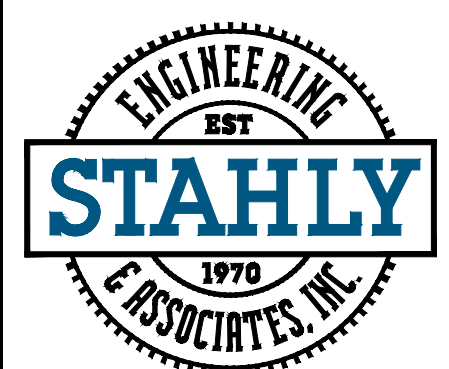
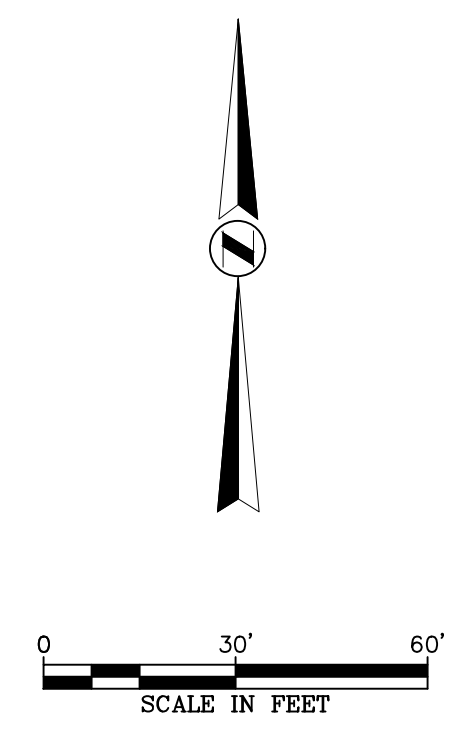
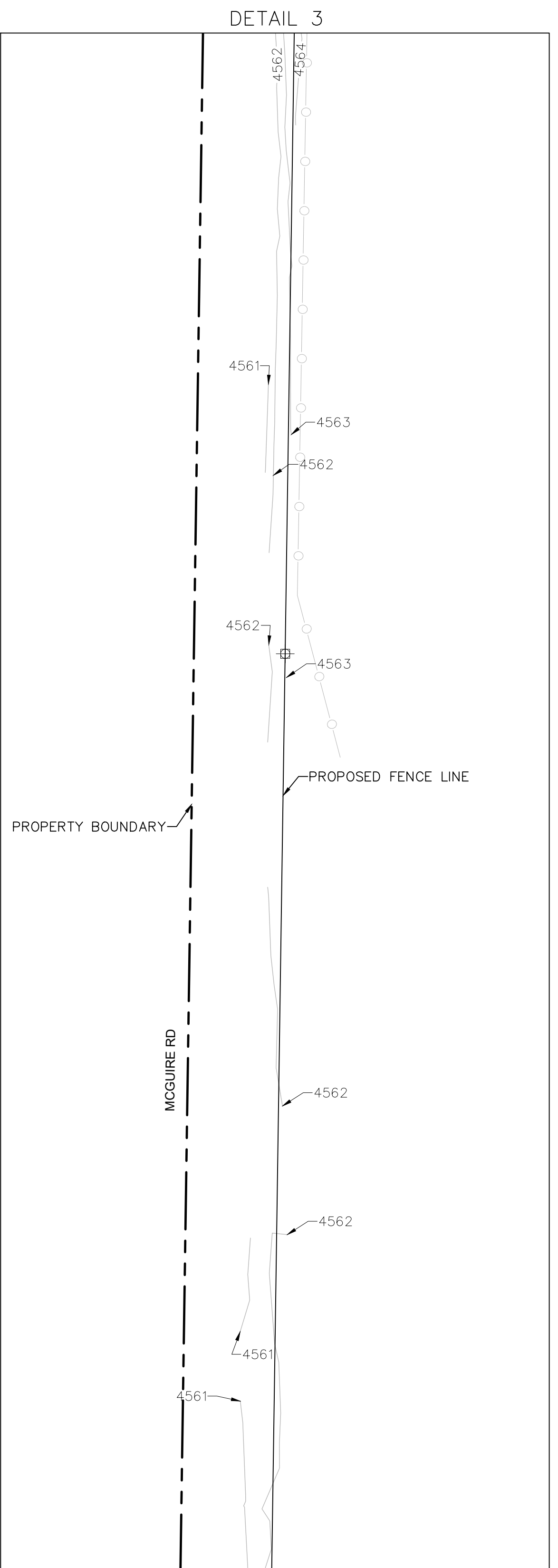
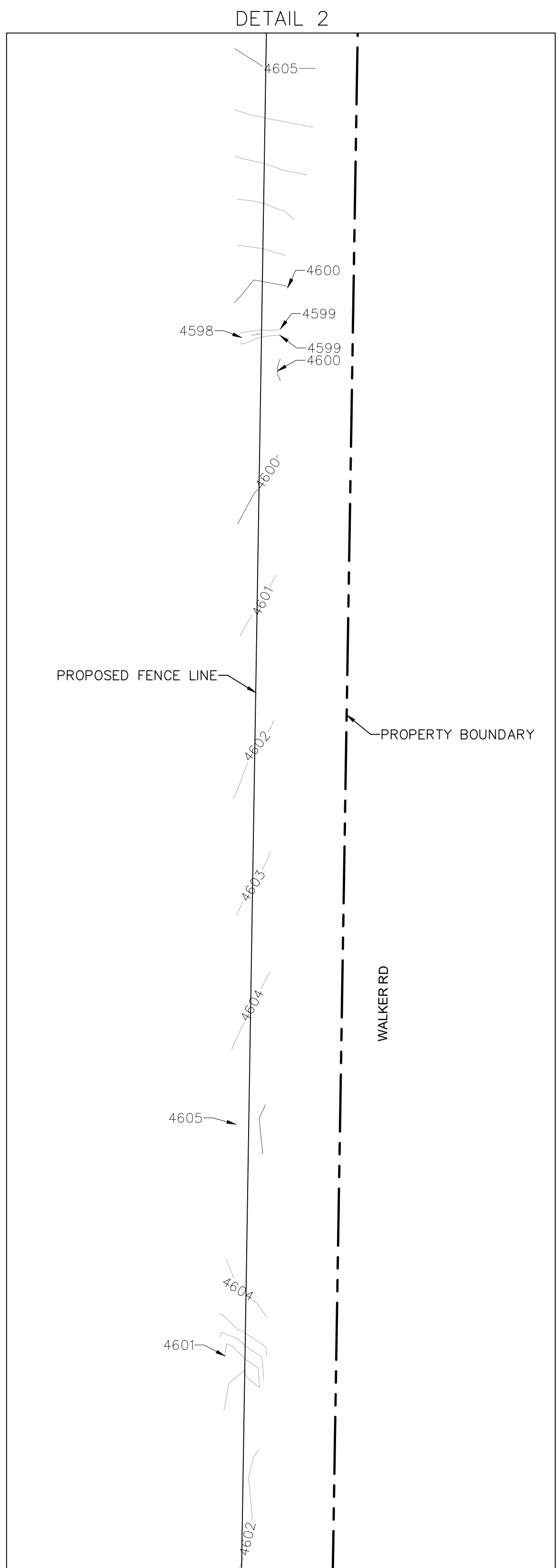
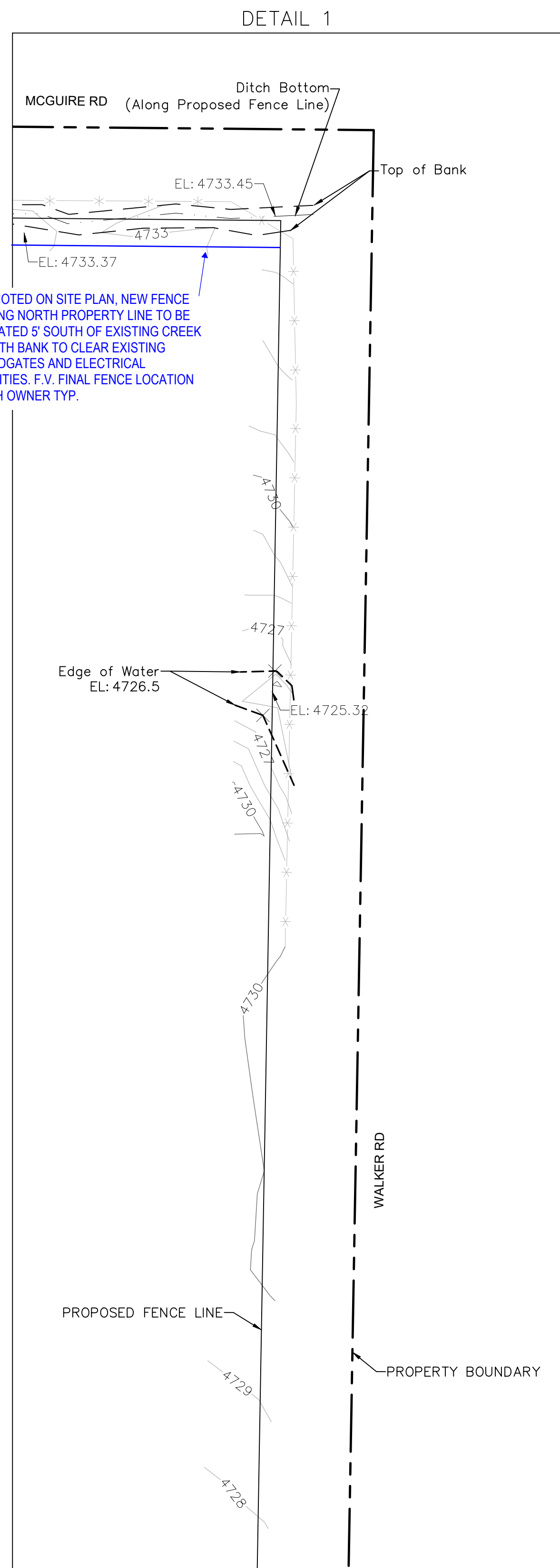
DESCRIPTION

LUTZ FARM
7970 MCGUIRE RD.
BELGRADE MT
HIP & HUMBLE
AGRICULTURE

BOUNDARY MAP

FIELD: 9-30-21
DRAWN: NB, DS
CHECKED: DS
DATE: 07-17-23

L:\2366-Hip_&_Humble_Architecture\00723_MSL_Lutz_Fence_Survey\DWG\Survey\2366-00723_TD.dwg, 24x36 (LANDSCAPE) TD DETAIL, Plotted: Aug 16, 2023 - 11:19am, nba1ton



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ISSUE/REVISION

No.	DATE	BY
1	5/54/23	NB

DESCRIPTION

TOPOGRAPHIC SURVEY

No.	DATE	BY
2		

DESCRIPTION

No.	DATE	BY
3		

DESCRIPTION

No.	DATE	BY
4		

DESCRIPTION

No.	DATE	BY
5		

DESCRIPTION

LUTZ FARM
7970 MCGUIRE RD.
BELGRADE MT
HIP & HUMBLE
AGRICULTURE

EXISTING
CONDITIONS
DETAIL

FIELD: 05-24-23
DRAWN: NB
CHECKED: DS
DATE: 08-16-23

SHEET
3 OF 3