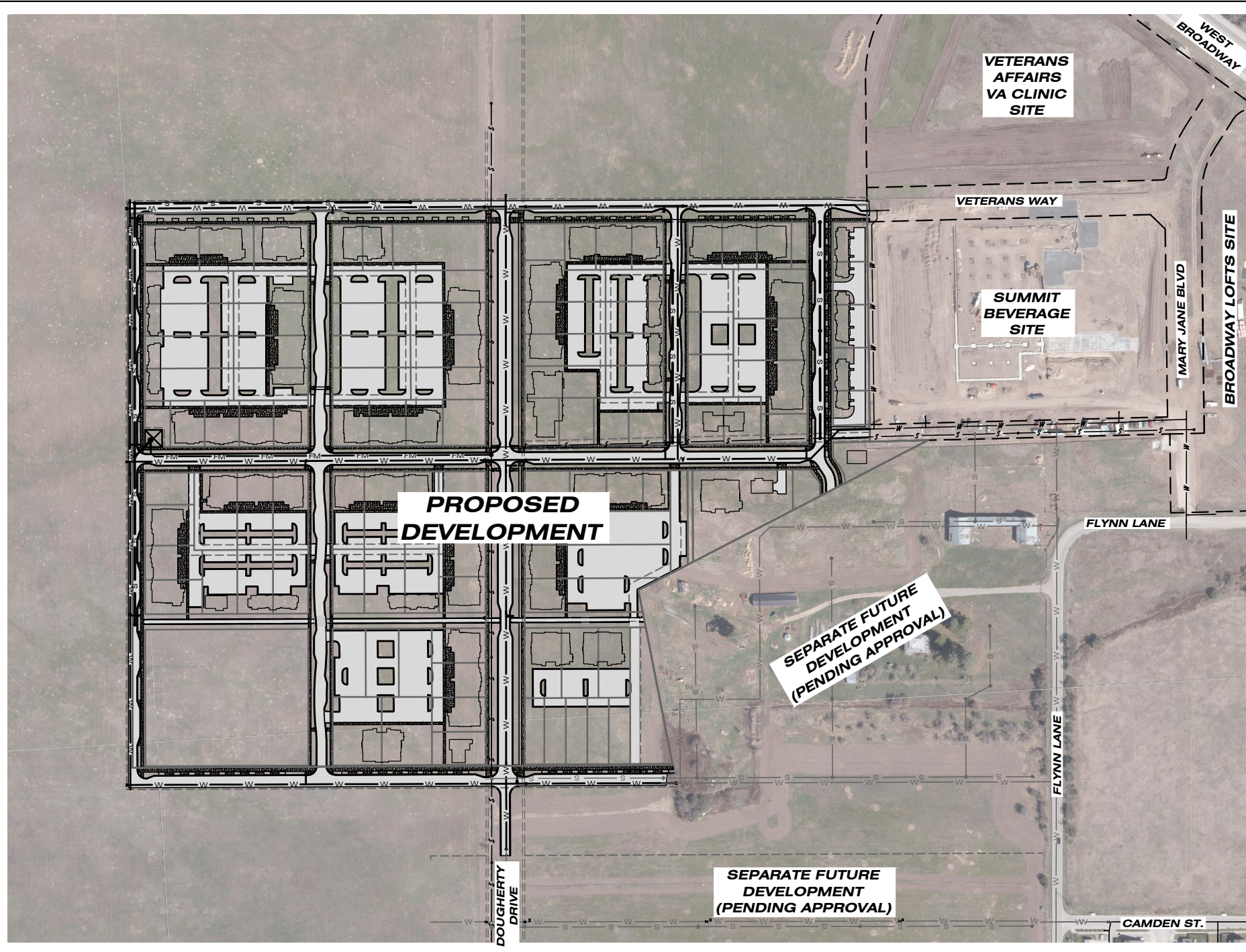


UTILITY CONSTRUCTION PLANS

LOCATED WEST OF FLYNN LANE

LOCATED IN SECTION 7, T.13N., R.19W., P.M.M., MISSOULA COUNTY, MONTANA.



PRELIMINARY / STAGE 2 PLANS:

GENERAL NOTE: FINISHED GRADE AS SHOWN ON THESE PLANS IS EXTREMELY PRELIMINARY (PRIMARILY SHOWN IN PROFILES) AND MAY APPEAR INCOMPLETE SINCE PRELIMINARY SITE GRADING OUTSIDE OF FORMAL ROADS HAS NOT OCCURRED YET. PRELIMINARY OR FINAL GRADING FOR ALLEYS, TRAIL STREET, ETC. HAS NOT OCCURRED YET AND IS SUBJECT TO CHANGE.

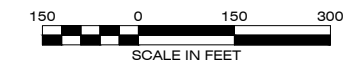
SEWER NOTE: MINIMUM BURY OF 4' WILL BE MAINTAINED. IF SEWER MAIN BURY IS LESS THAN 5' TO TOP OF PIPE, BLUEBOARD INSULATION WILL BE REQUIRED, BUT IS NOT CURRENTLY SHOWN AT THIS TIME AS GRADING (FINISHED GRADE) IS STILL CONSIDERED PRELIMINARY. THE APPROXIMATE 5' BURY ELEVATION FROM THE PRELIMINARY FINISHED GRADE IS SHOWN ON THE SEWER MAIN PROFILES TO HELP VISUALIZE AND IS BASED ON PRELIMINARY FINISHED GRADING ONLY.

SERVICES NOTE: WATER AND/OR SEWER SERVICES SHOWN ARE EXTREMELY PRELIMINARY AND SCHEMATIC TO HELP DEPICT WHICH MAIN THAT EACH BUILDING, STRUCTURE, PROPERTY, ETC. IS TENTATIVELY PLANNED TO BE SERVED FROM AND TO SHOW THAT EVERYTHING CAN BE ADEQUATELY SERVED.



CALL UTILITY NOTIFICATION
CENTER OF MONTANA
1-800-424-5555

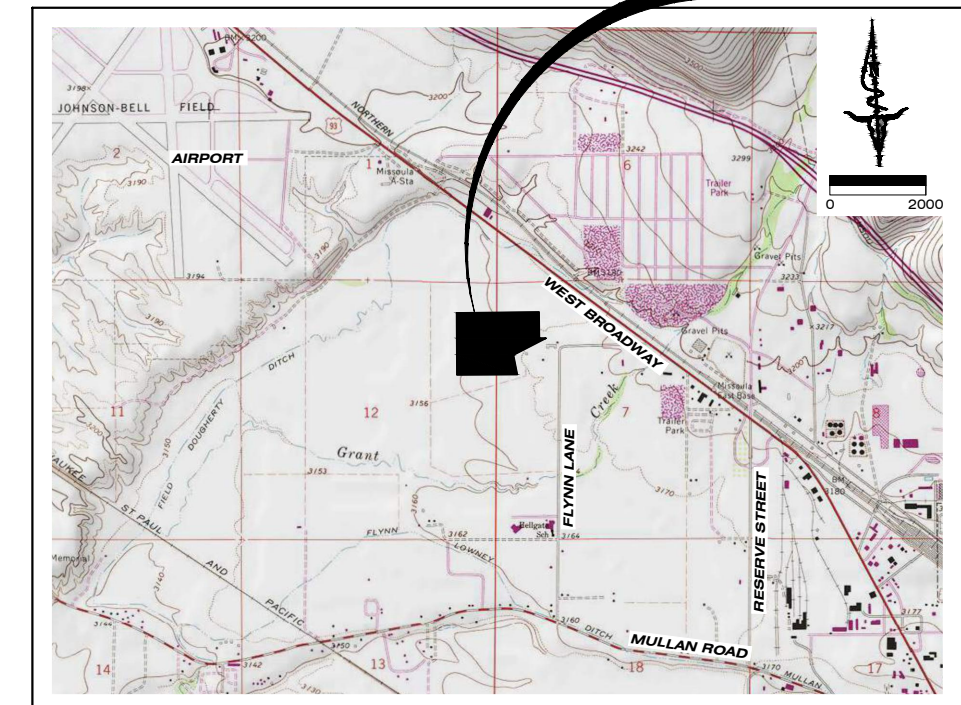
CALL FOR THE MARKING OF
UNDERGROUND UTILITIES
2 BUSINESS DAYS BEFORE
YOU DIG, GRADE, OR EXCAVATE



SHEET INDEX

| DESCRIPTION | SHEET NO. |
|-------------------------------|-------------------|
| LEGENDS AND NOTES | SHEET 2 OF 27 |
| INDEX SHEET - SEWER | SHEET 3 OF 27 |
| INDEX SHEET - WATER | SHEET 4 OF 27 |
| PLAN & PROFILE SHEETS - SEWER | SHEET 5-11 OF 27 |
| PLAN & PROFILE SHEETS - WATER | SHEET 12-27 OF 27 |
| DETAIL SHEETS | SHEET D1-D4 OF D4 |

VICINITY MAP



MISSOULA, MISSOULA COUNTY

PROJECT STATUS

THESE PLANS REQUIRE, AT A MINIMUM, APPROVAL FROM THE AGENCIES LISTED BELOW. THEREFORE, THE OWNER & CONTRACTOR ARE ADVISED THAT BIDS & CONTRACTS SHOULD NOT BE FINALIZED UNTIL INDICATED BELOW.

| AGENCIES REVIEW STATUS: | REFERENCE # | APPROVAL DATE |
|--------------------------------|--------------|---------------|
| MONTANA DEPT. OF ENV. QUALITY | EQ#: XX-XXXX | |
| CITY OF MISSOULA DEV. SERVICES | XXXX-XXX | |

PLAN SET IS READY FOR CONSTRUCTION YES NO

AS-BUILT DATE:
PROJECT HAS BEEN CONSTRUCTED IN GENERAL CONFORMANCE WITH THE ABOVE APPROVALS, STATED SPECIFICATIONS, AND SHOWN HERE IN, UNLESS OTHERWISE SPECIFIED.

PROJECT NOTES: MISSOULA CITY PUBLIC WORKS STANDARDS & SPECIFICATIONS (MCPWSS) EDITION DEC. 2021

CITY OF MISSOULA CHECKLIST DATA

| | |
|--|--|
| LINEAR FOOTAGE OF SEWER GRAVITY MAINS ESTIMATED FOR CONSTRUCTION | |
| LINEAR FOOTAGE OF SEWER FORCE MAINS ESTIMATED FOR CONSTRUCTION | |
| NUMBER OF PROPOSED SEWER STUBS TO BE CONSTRUCTED | |
| LINEAR FOOTAGE OF WATER MAINS ESTIMATED FOR CONSTRUCTION | |
| NUMBER OF PROPOSED WATER STUBS TO BE CONSTRUCTED | |



DATE

REVISIONS

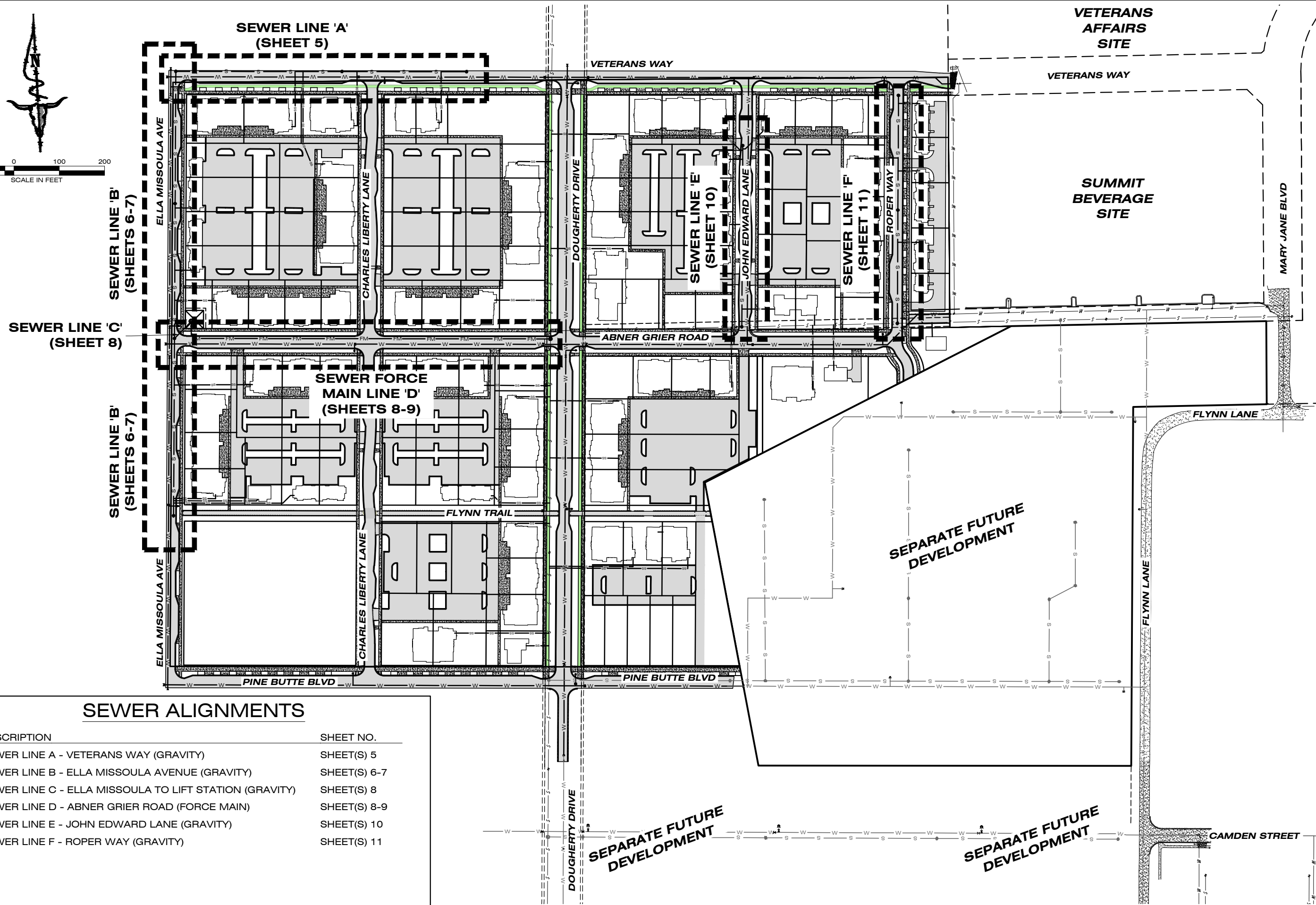
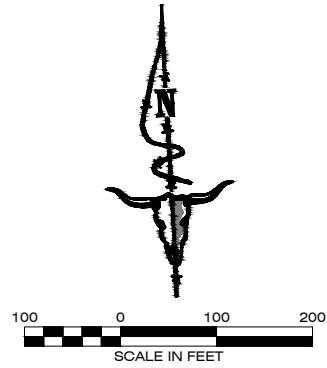
DESIGNED: AM
DRAFTED: AM
CHECKED: DO
DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850
SECTION 7, T13N, R19W, P.M.M. &
SECTION 12, T13N, R20W, P.M.M.
MISSOULA COUNTY, MONTANA
PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
AT DOUGHERTY RANCH
SHEET TITLE: UTILITY CONSTRUCTION PLANS
COVER SHEET

PROJECT NO. 21002675
SHEET: 1 OF 27

STAGE 2



SEWER ALIGNMENTS

| DESCRIPTION | SHEET NO. |
|--|--------------|
| SEWER LINE A - VETERANS WAY (GRAVITY) | SHEET(S) 5 |
| SEWER LINE B - ELLA MISSOULA AVENUE (GRAVITY) | SHEET(S) 6-7 |
| SEWER LINE C - ELLA MISSOULA TO LIFT STATION (GRAVITY) | SHEET(S) 8 |
| SEWER LINE D - ABNER GRIER ROAD (FORCE MAIN) | SHEET(S) 8-9 |
| SEWER LINE E - JOHN EDWARD LANE (GRAVITY) | SHEET(S) 10 |
| SEWER LINE F - ROPER WAY (GRAVITY) | SHEET(S) 11 |



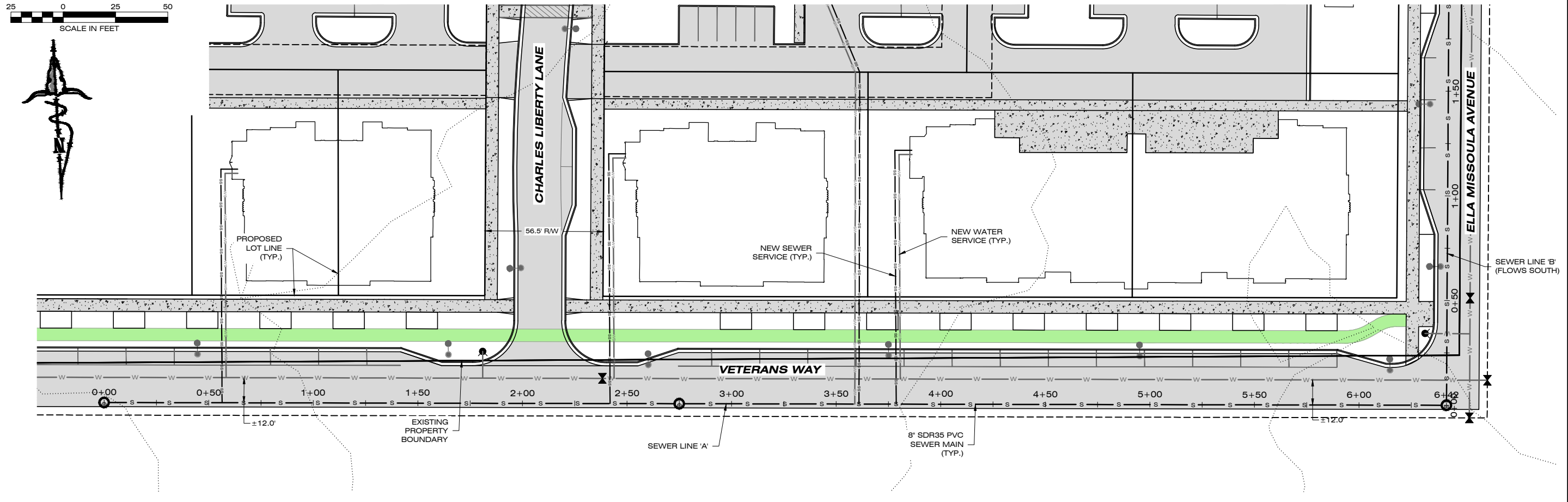
| | |
|-----------|-----------|
| DESIGNED: | AM |
| DRAFTED: | AM |
| CHECKED: | DO |
| DATE: | MAR. 2023 |

LOCATION: TRACT B OF C.O.S. 6850 SECTION 7, T13N, R19W, P.M.M. & SECTION 12, T13N, R20W, P.M.M. MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

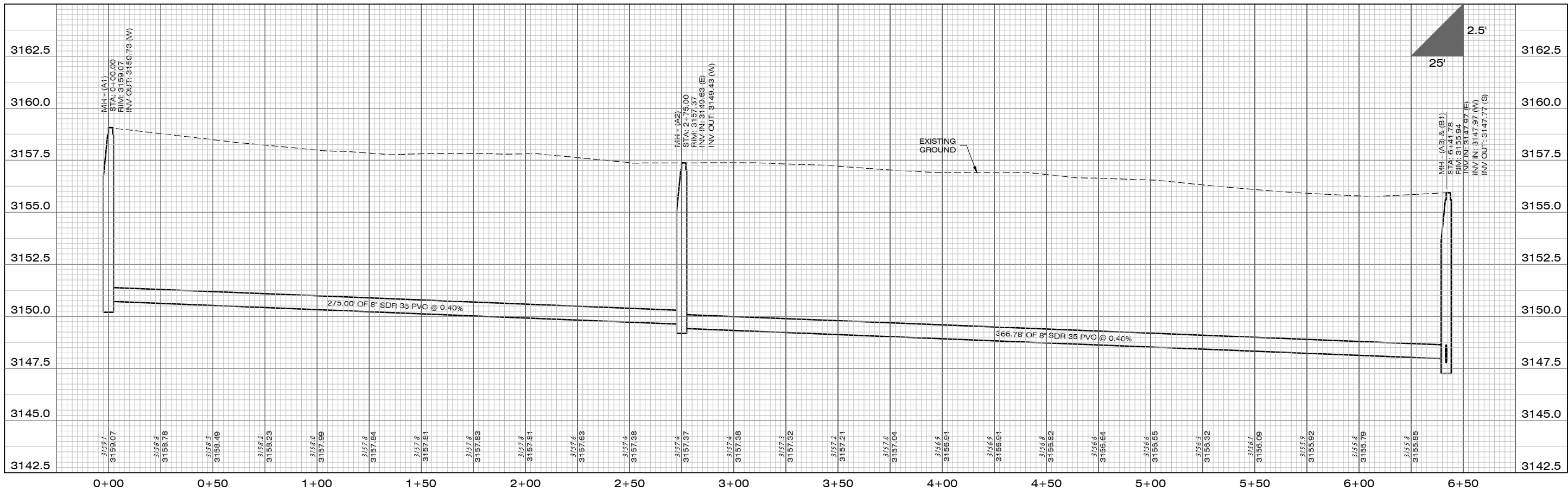
| | |
|--------------|--|
| PROJECT NAME | ICON APARTMENT HOMES AT DOUGHERTY RANCH |
| PROJECT NO. | 21002675 |
| SHEET TITLE | UTILITY CONSTRUCTION PLANS INDEX SHEET - SEWER |
| SHEET | 3 OF 27 |

STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\DRAWINGS\UTILITY\SEWER\WATER\WATER-21002675.DWG



PLAN VIEW



PROFILE VIEW

| REVISIONS | DATE |
|-----------|------|
| | |
| | |
| | |
| | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

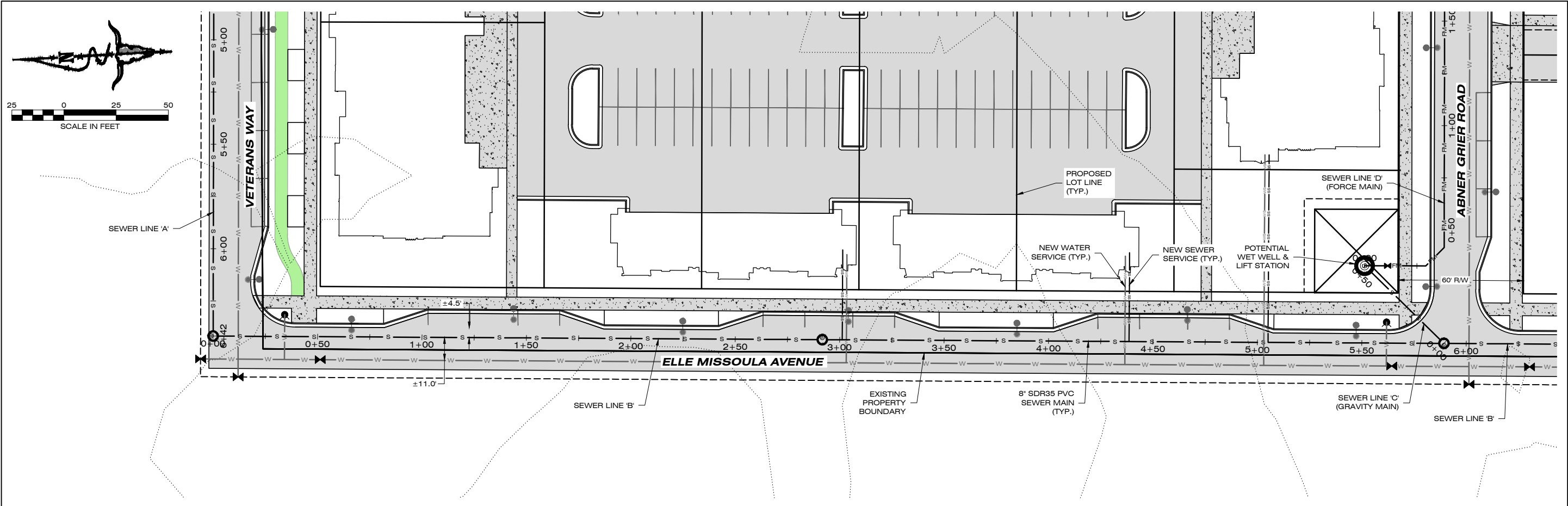
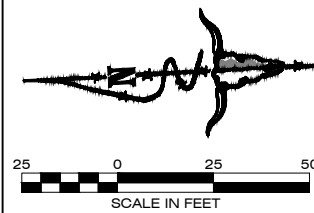
LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 SEWER PLAN AND PROFILE SHEET

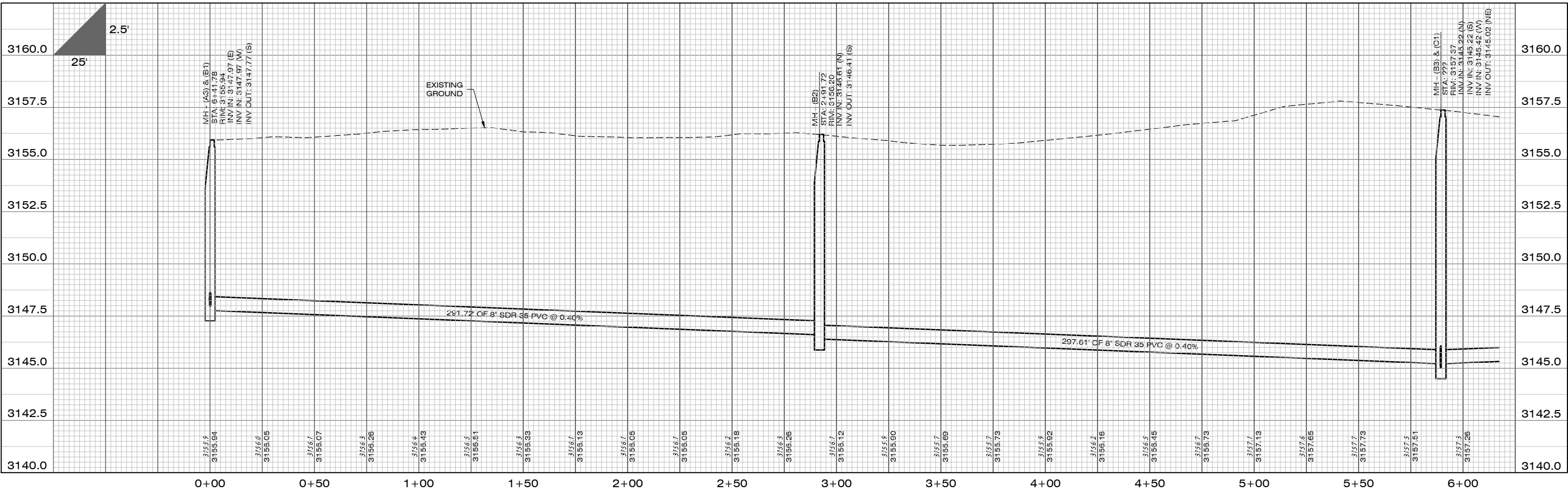
PROJECT NO. 21002675
 SHEET: 5 OF 27

STAGE 2

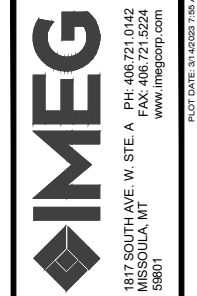
DWG LOCATION: G:\2023\21002675\CONSTRUCTION\3. DRAWINGS\AUTOCAD\PLAN SET\UTILITY (SEWER)\WATER\WV\WTR-21002675.DWG



PLAN VIEW



PROFILE VIEW



| | |
|-----------|--|
| DATE | |
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

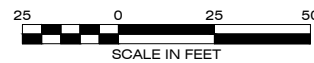
LOCATION: TRACT B OF C.O.S. 6850 SECTION 7, T13N, R19W, P.M.M. & SECTION 12, T13N, R20W, P.M.M. MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS SEWER PLAN AND PROFILE SHEET

PROJECT NO. 21002675
 SHEET: 6 OF 27

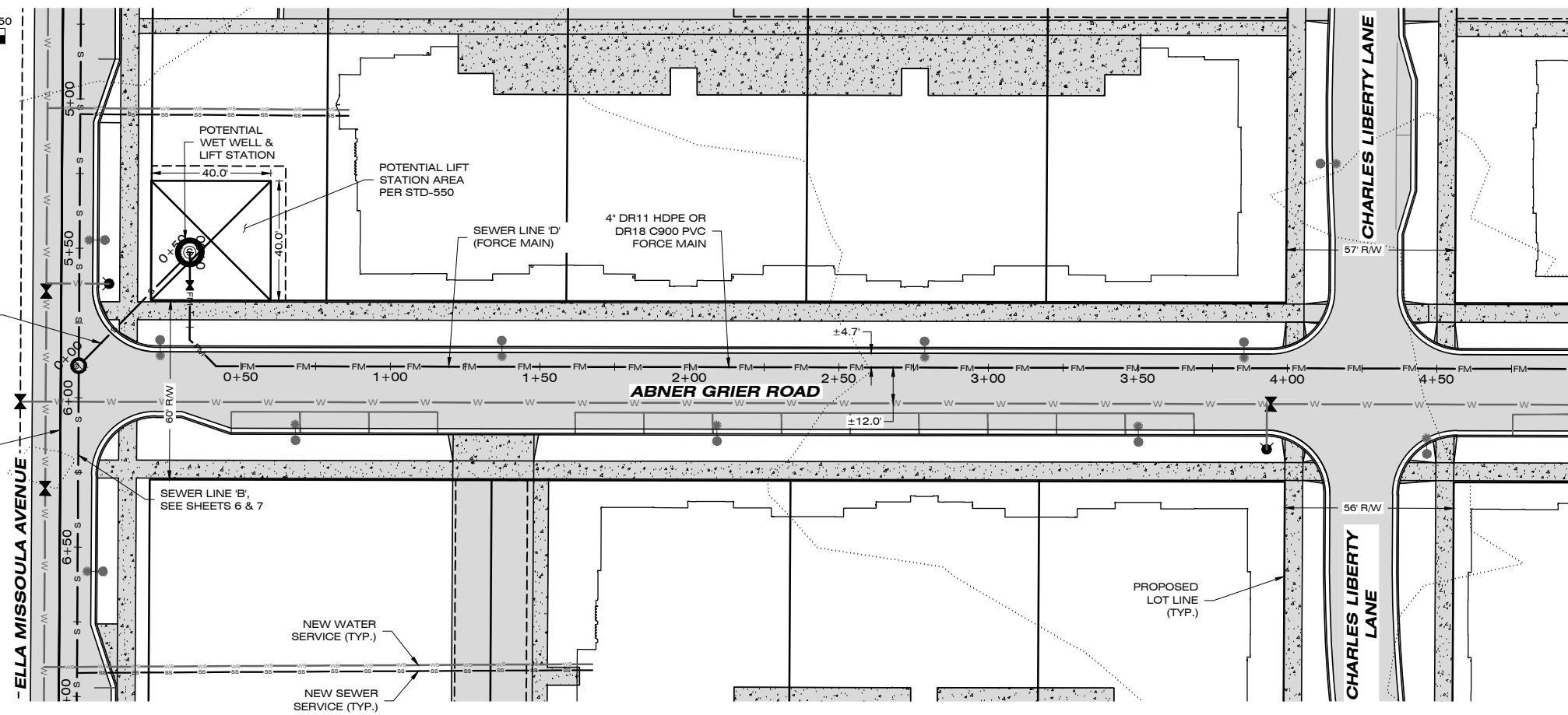
STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\3D\DRAWINGS\UTILITY\SEWER\WATER\PLAN\SEWER PLAN AND PROFILE SHEET.DWG

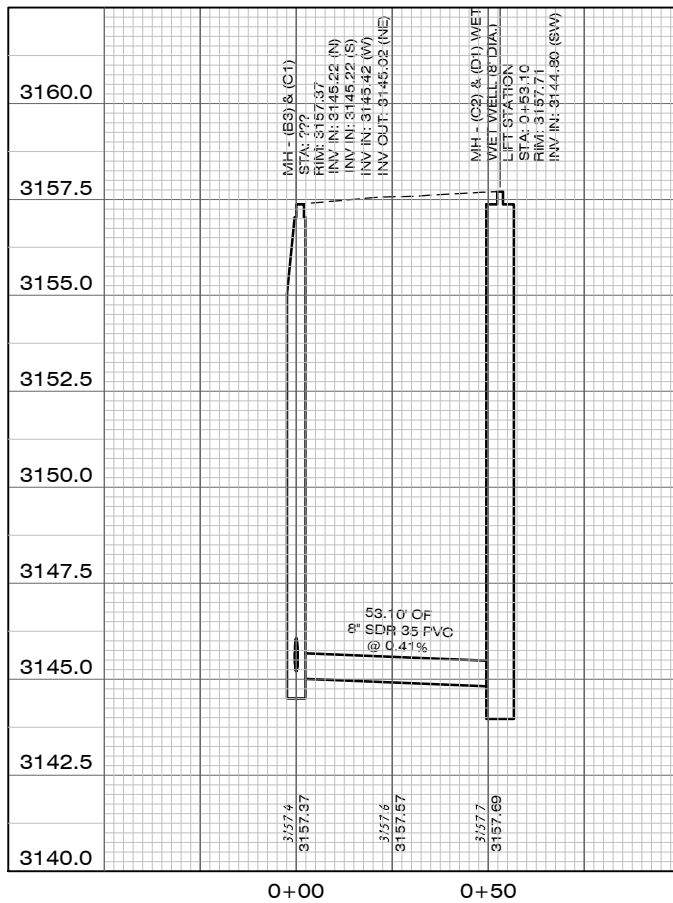


SEWER LINE 'C'
(GRAVITY LINE
TO WET WELL &
LIFT STATION)

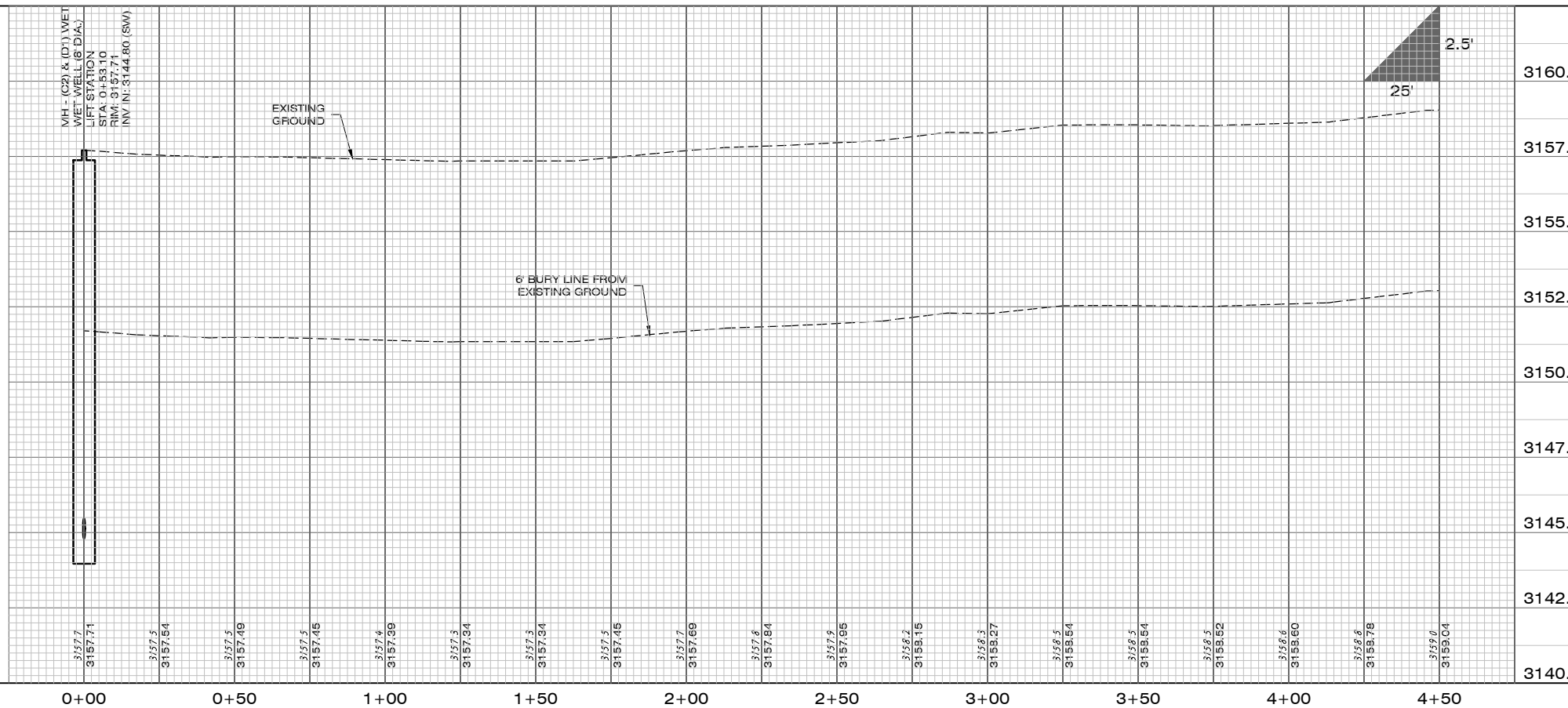
EXISTING
PROPERTY
BOUNDARY



PLAN VIEW



PROFILE VIEW - SEWER LINE 'C'



PROFILE VIEW - SEWER LINE 'D'

| DATE |
|------|
| |
| |
| |
| |

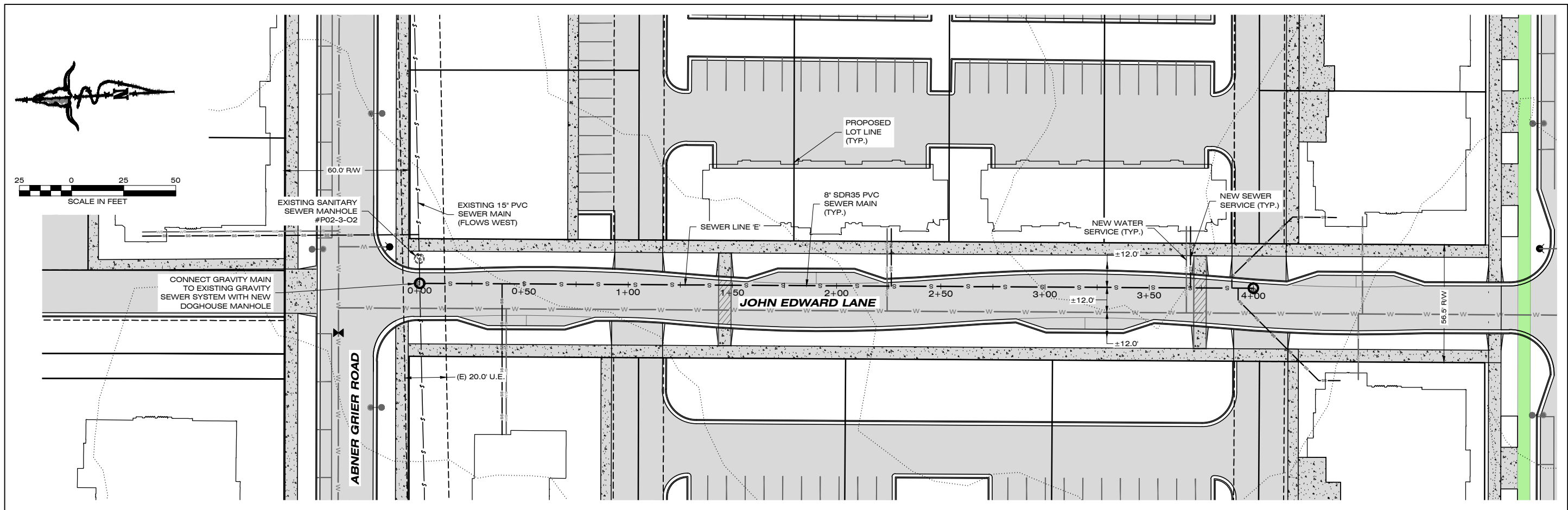
| DESIGNED: | AM |
|-----------|-----------|
| DRAFTED: | AM |
| CHECKED: | DO |
| DATE: | MAR. 2023 |

LOCATION: TRACT B OF C.O.S. 6850
SECTION 7, T13N, R19W, P.M.M. &
SECTION 12, T13N, R20W, P.M.M.
MISSOULA COUNTY, MONTANA
PREPARED FOR: BRAXTON DEVELOPMENT LLC

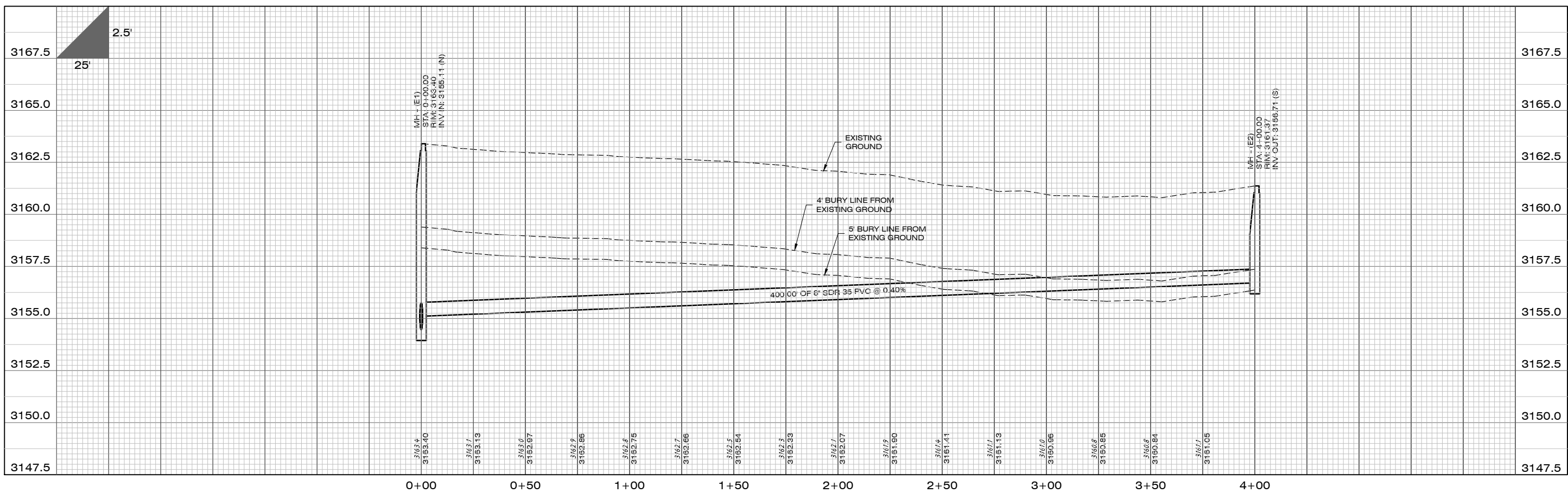
PROJECT NAME: ICON APARTMENT HOMES
AT DOUGHERTY RANCH
SHEET TITLE: UTILITY CONSTRUCTION PLANS
SEWER PLAN AND PROFILE SHEET
PROJECT NO.: 21002675
SHEET: 8 OF 27

STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\3D\DRAWINGS\AUTOCAD\PLAN\SEWER\SEWER\WATER\WATER-21002675.DWG



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR 2023

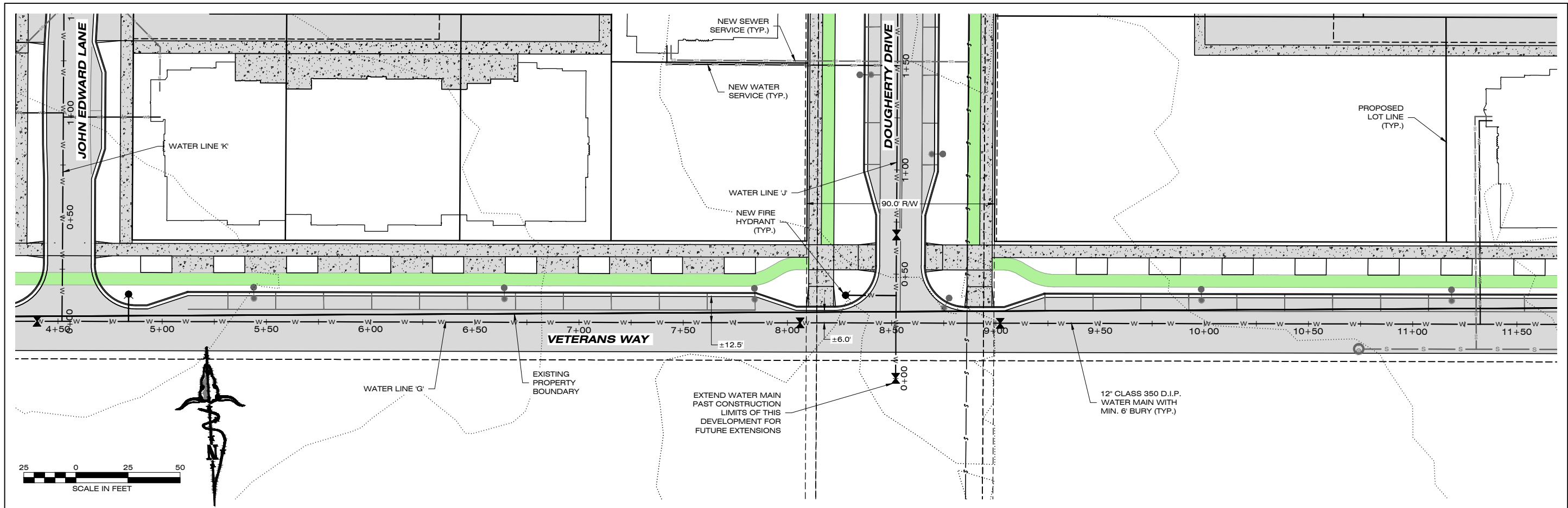
LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 SEWER PLAN AND PROFILE SHEET

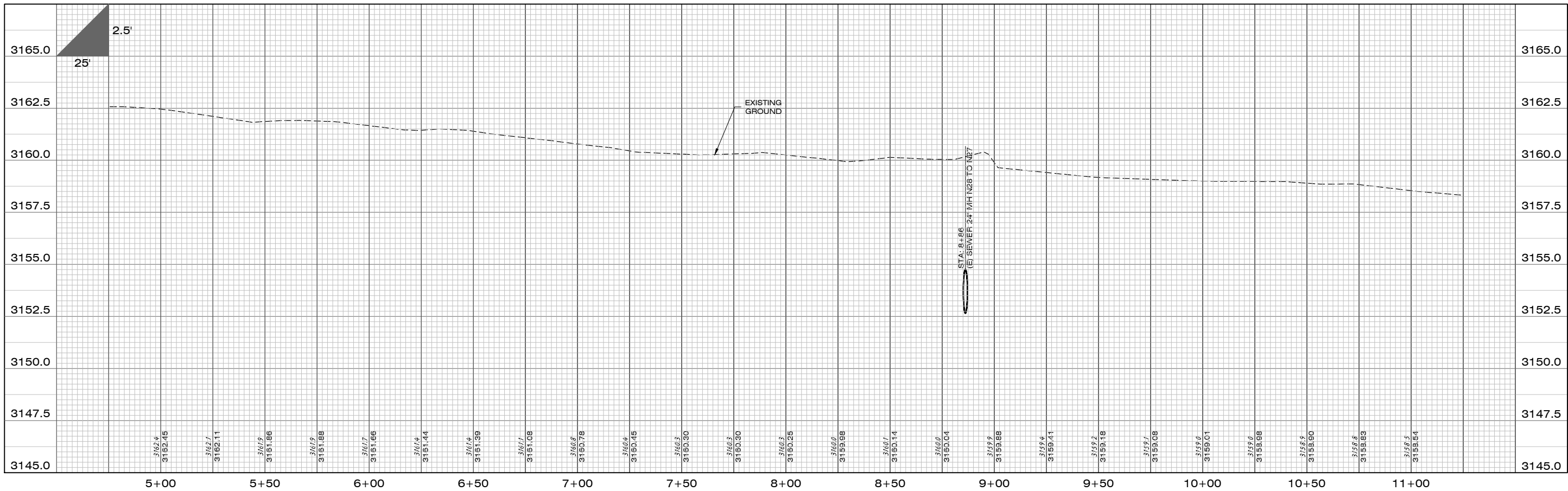
PROJECT NO. 21002675
 SHEET: 10 OF 27

STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\3D\DRAWINGS\AUTOCAD\PLAN\SEWER\UTILITY (SEWER)\WATER\WATER-21002675.DWG



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

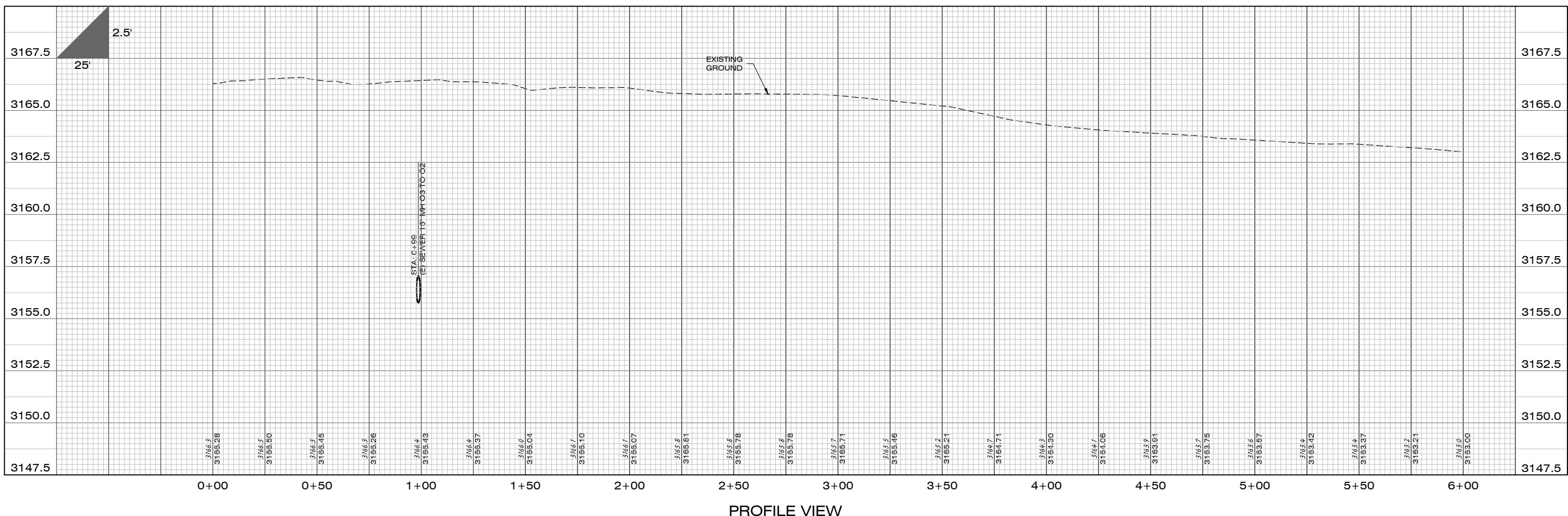
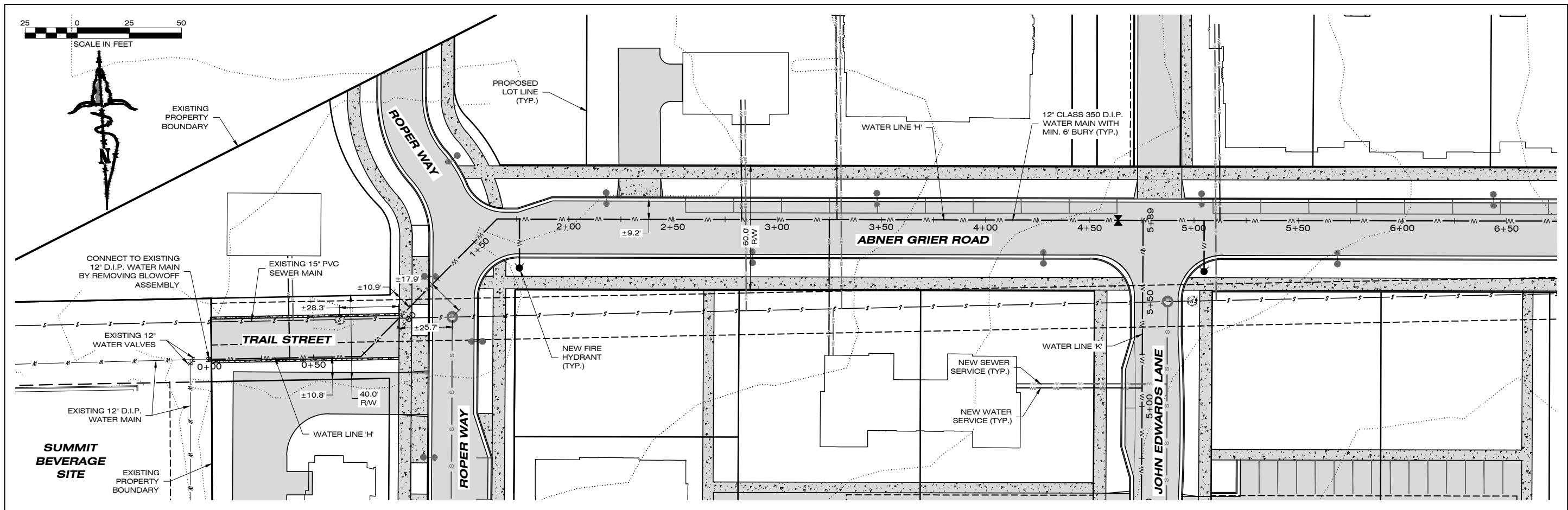
DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET
 PROJECT NO.: 21002675
 SHEET: 13 OF 27

STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\DRAWINGS\DRAWINGS\AUTOCAD\PLAN\BETHEUTY\SEWER\WATER\WATER\MTR-21002675.DWG



| | |
|-----------|-----------|
| DESIGNED: | AM |
| DRAFTED: | AM |
| CHECKED: | DO |
| DATE: | MAR. 2023 |

LOCATION: TRACT B OF C.O.S. 6850 SECTION 7, T13N, R19W, P.M.M. & SECTION 12, T13N, R20W, P.M.M. MISSOULA COUNTY, MONTANA

PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES AT DOUGHERTY RANCH

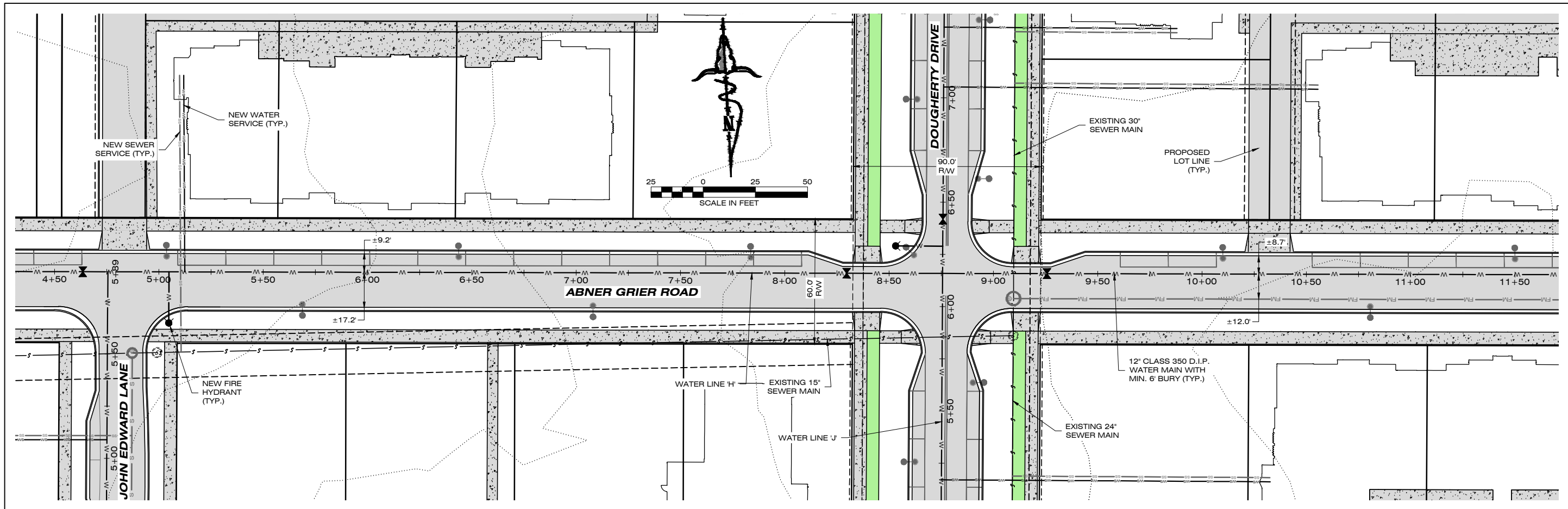
SHEET TITLE: UTILITY CONSTRUCTION PLANS WATER PLAN AND PROFILE SHEET

PROJECT NO. 21002675

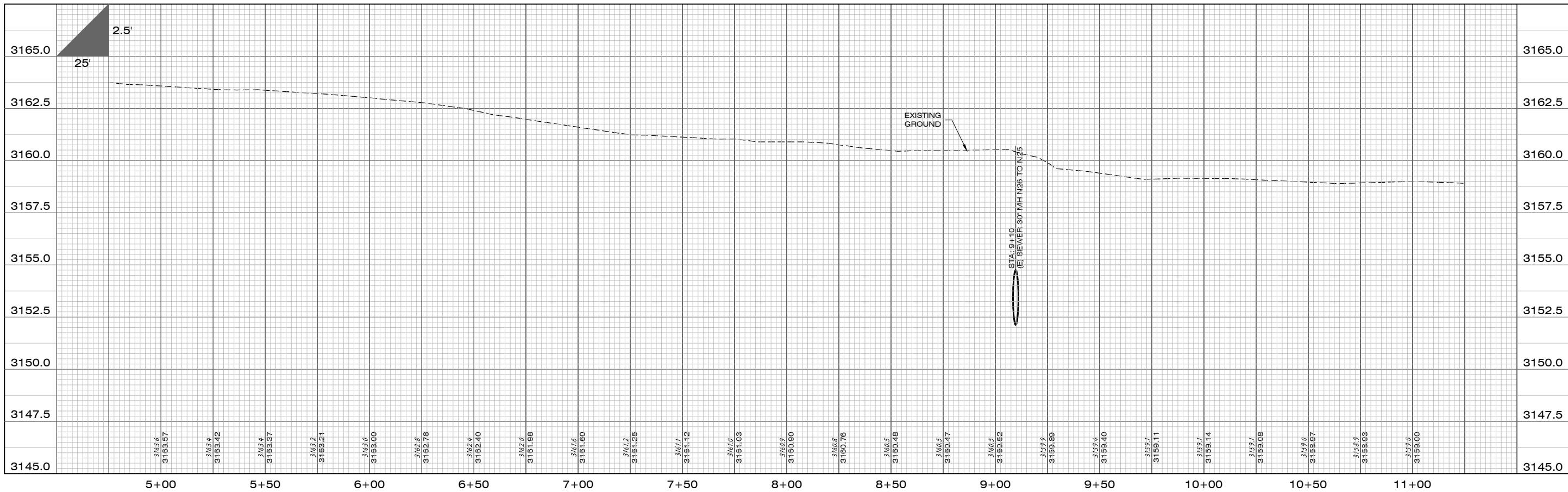
SHEET: 15 OF 27

STAGE 2

DRAWING LOCATION: G:\2021\21002675\CONSTRUCTION\3D\DRAWINGS\UTILITY\CONSTRUCTION\WATER\WATER PLAN AND PROFILE SHEET.DWG



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

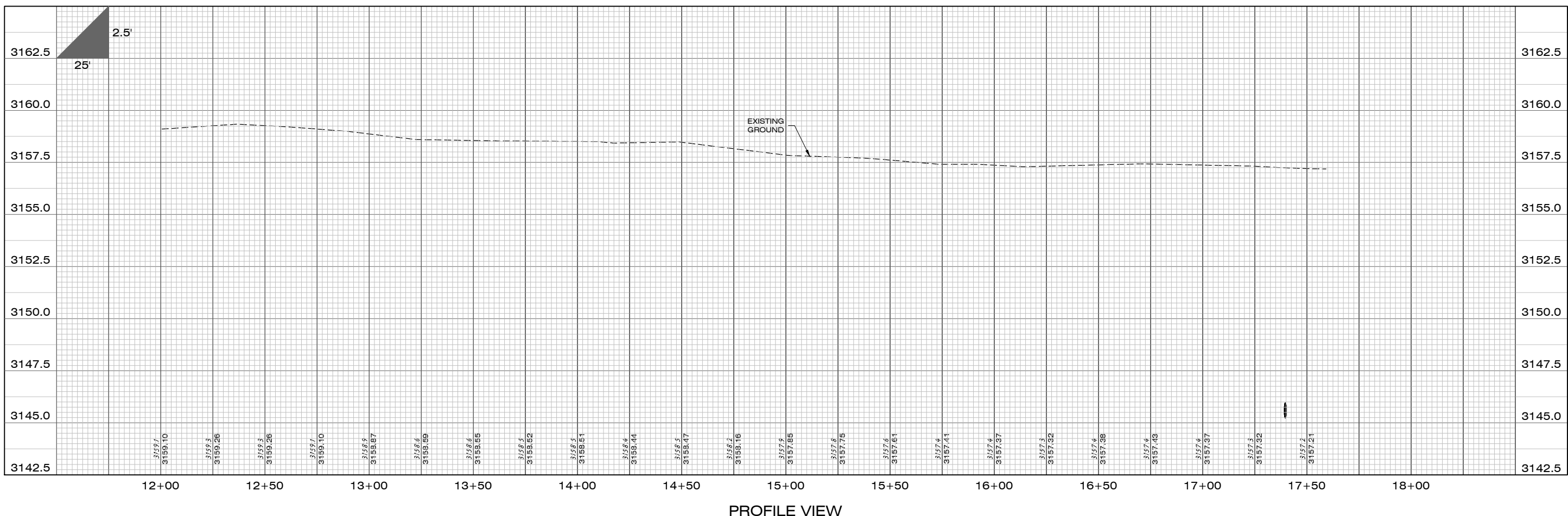
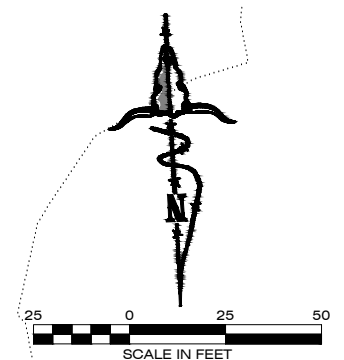
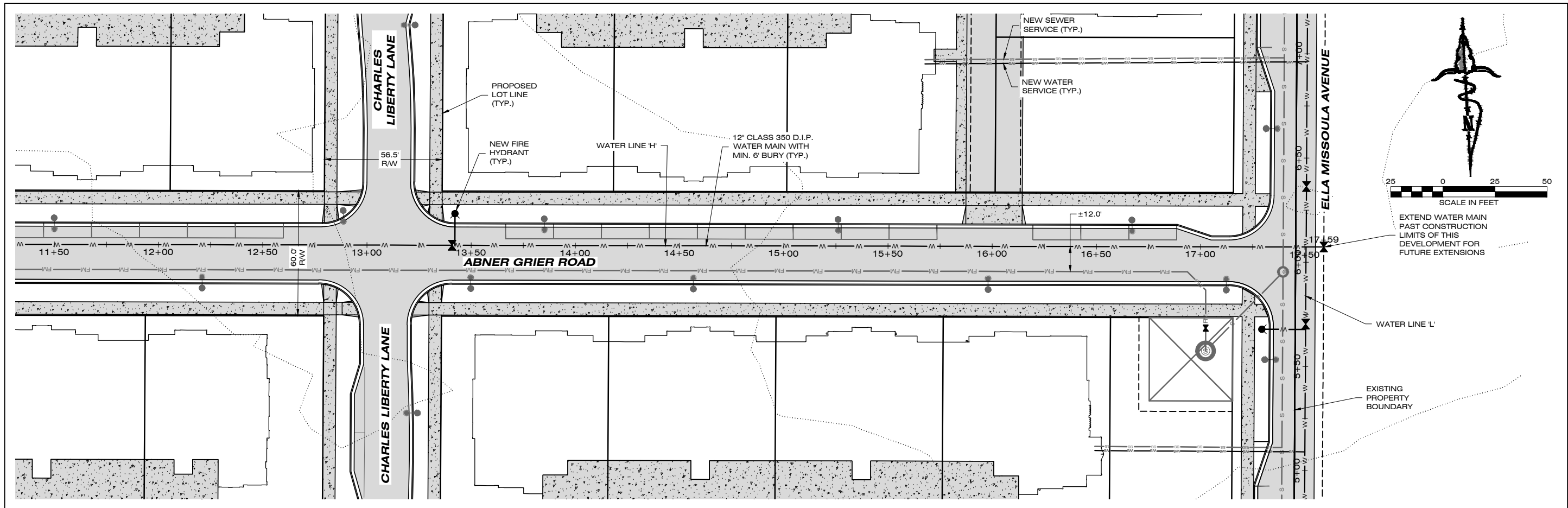
LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET

PROJECT NO. 21002675
 SHEET: 16 OF 27

STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\3D\DRAWINGS\AUTOCAD\PLAN\RE\UTILITY\UTILITY\WATER\WATER\WATER-21002675.DWG



| | |
|-----------|--|
| DATE | |
| REVISIONS | |

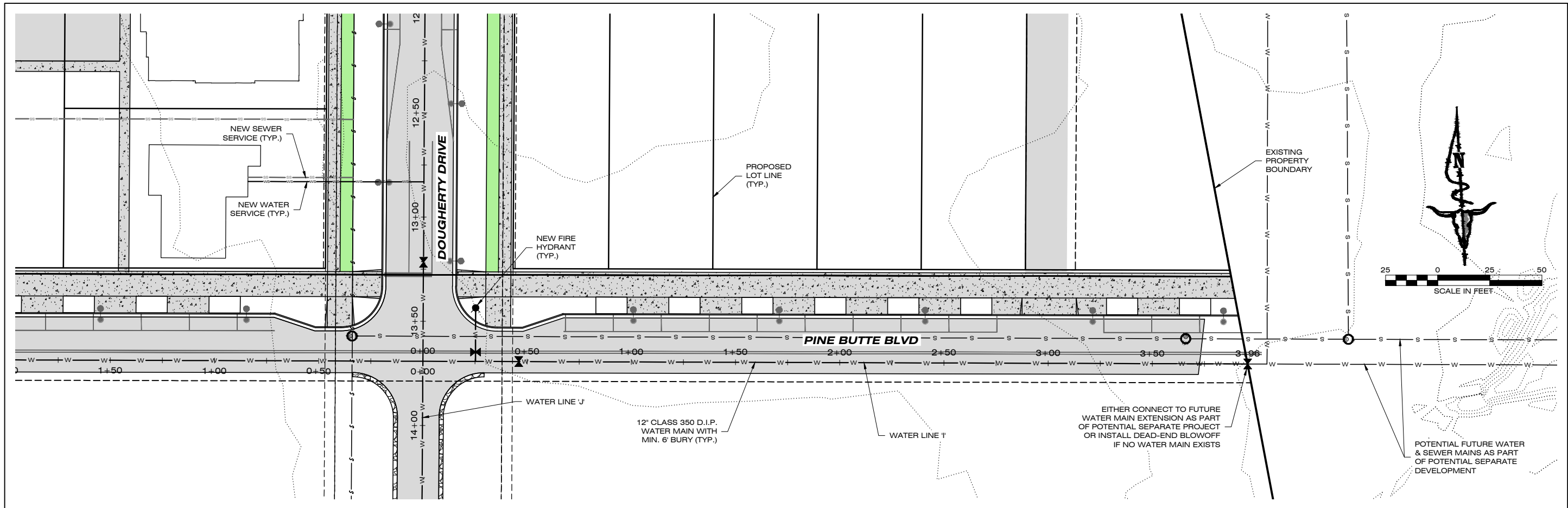
DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

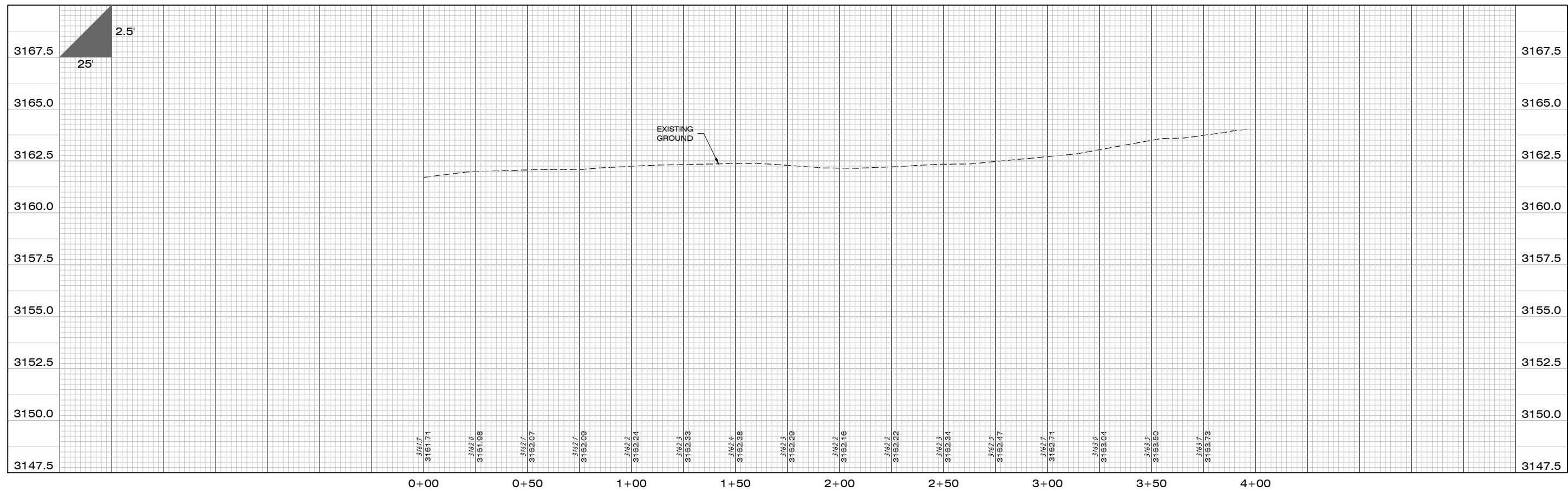
PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET

PROJECT NO. 21002675
 SHEET: 17 OF 27

STAGE 2



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

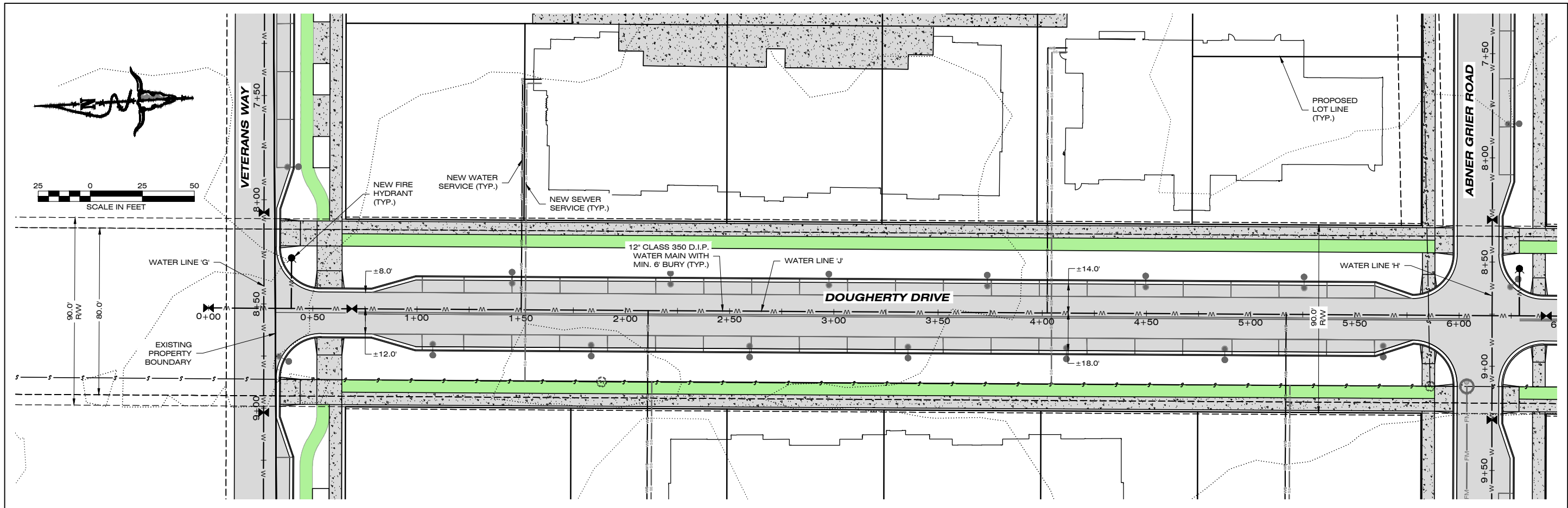
LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET

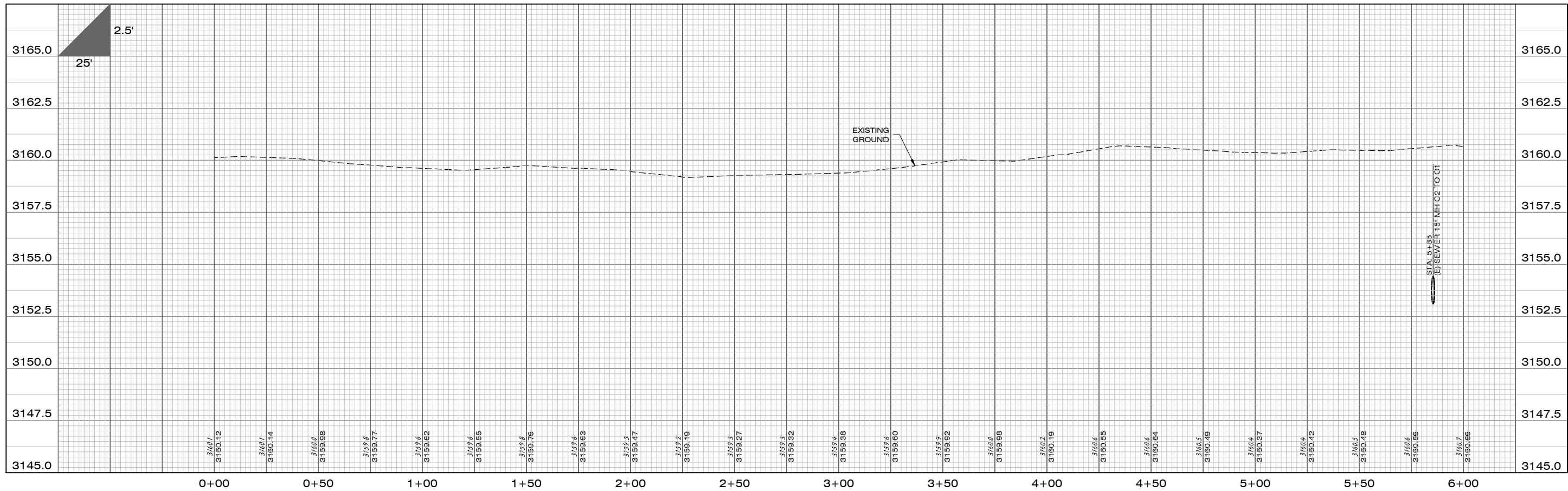
PROJECT NO. 21002675
 SHEET: 18 OF 27

STAGE 2

DNW LOCATION: G:\2023\21002675\CONSTRUCTION\3D\DRAWINGS\AUTOCAD\PLAN\BETHEUTILITY (BETHEWATER)\WATER\MTR-21002675.DWG



PLAN VIEW



PROFILE VIEW

DATE: _____

REVISIONS:

| | |
|--|--|
| | |
| | |
| | |
| | |

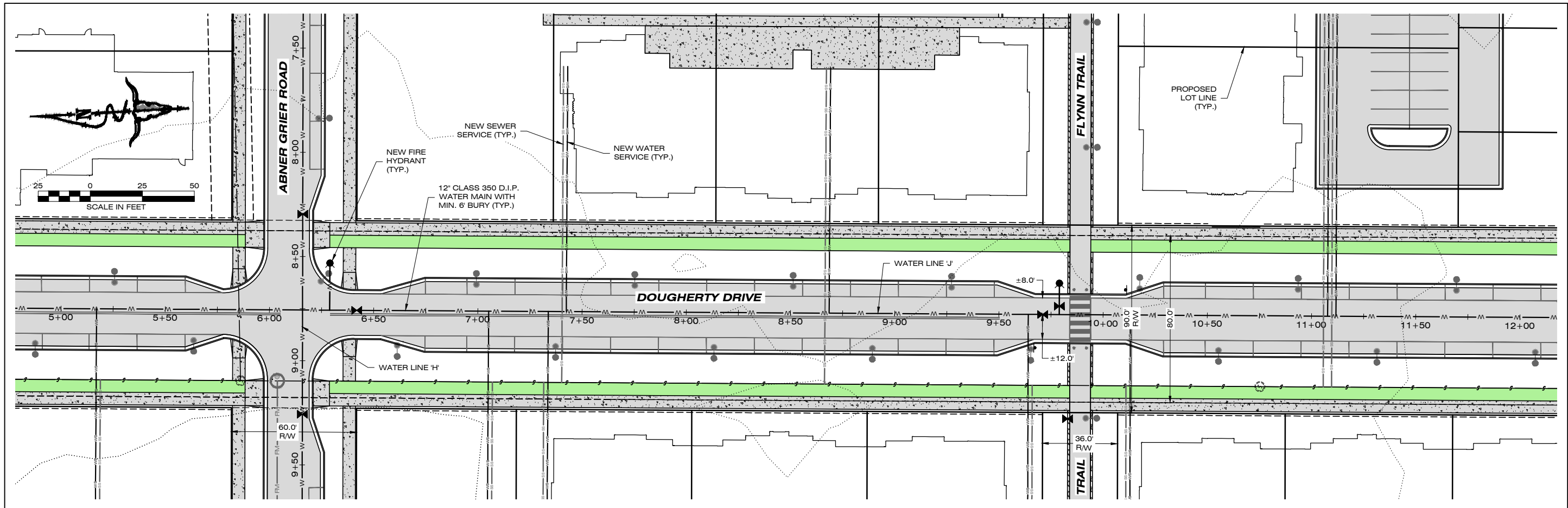
DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

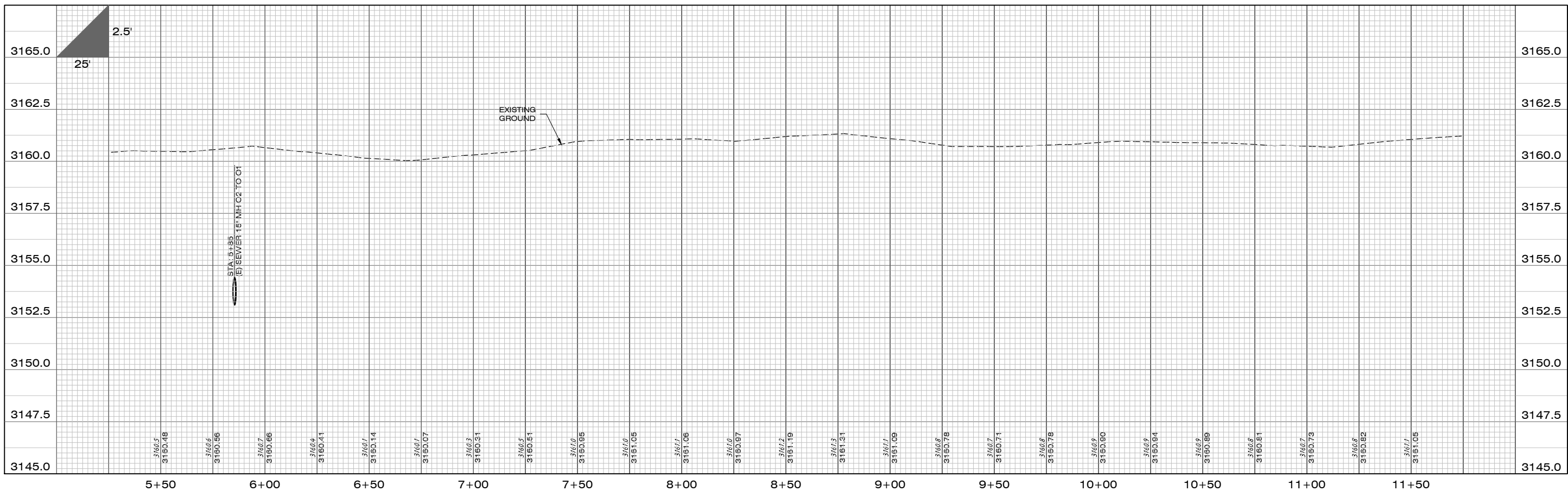
PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET

PROJECT NO. 21002675
 SHEET: 19 OF 27

STAGE 2



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

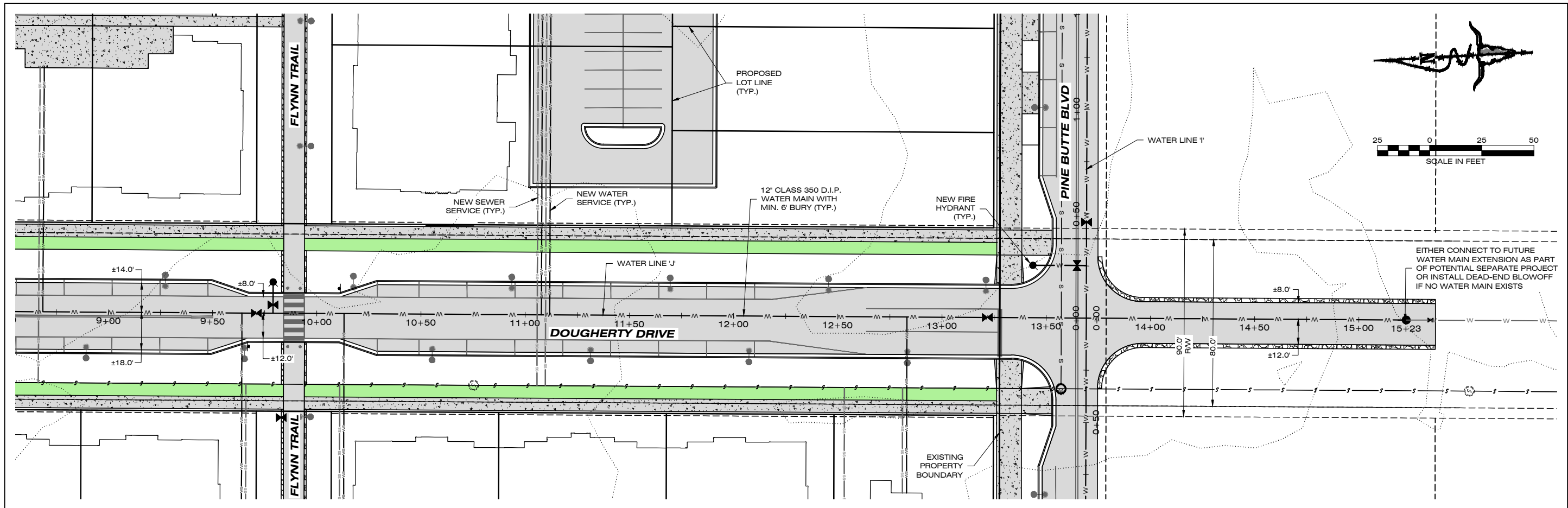
LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: **ICON APARTMENT HOMES AT DOUGHERTY RANCH**
 SHEET TITLE: **UTILITY CONSTRUCTION PLANS WATER PLAN AND PROFILE SHEET**

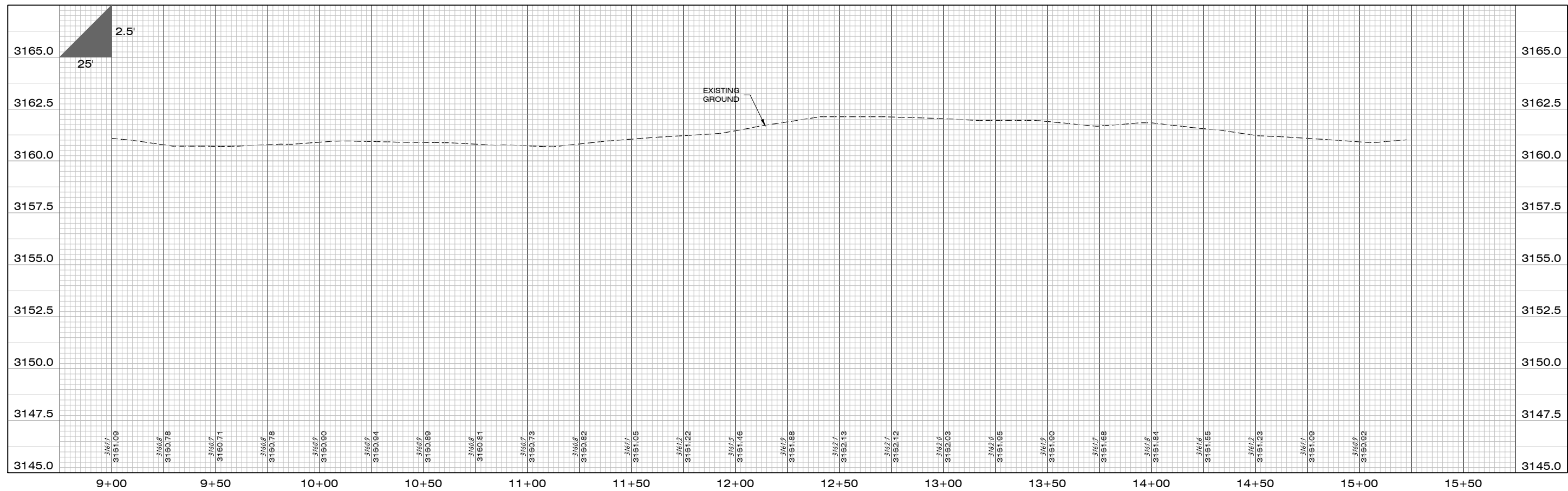
PROJECT NO. 21002675
 SHEET: 20 OF 27

STAGE 2

DWS LOCATION: G:\2021\21002675\CONSTRUCTION\DRAWINGS\UTILITY\WATER\WATERPLAN\MTR-21002675.DWG
 PLOT DATE: 04/14/2023 8:02 AM



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

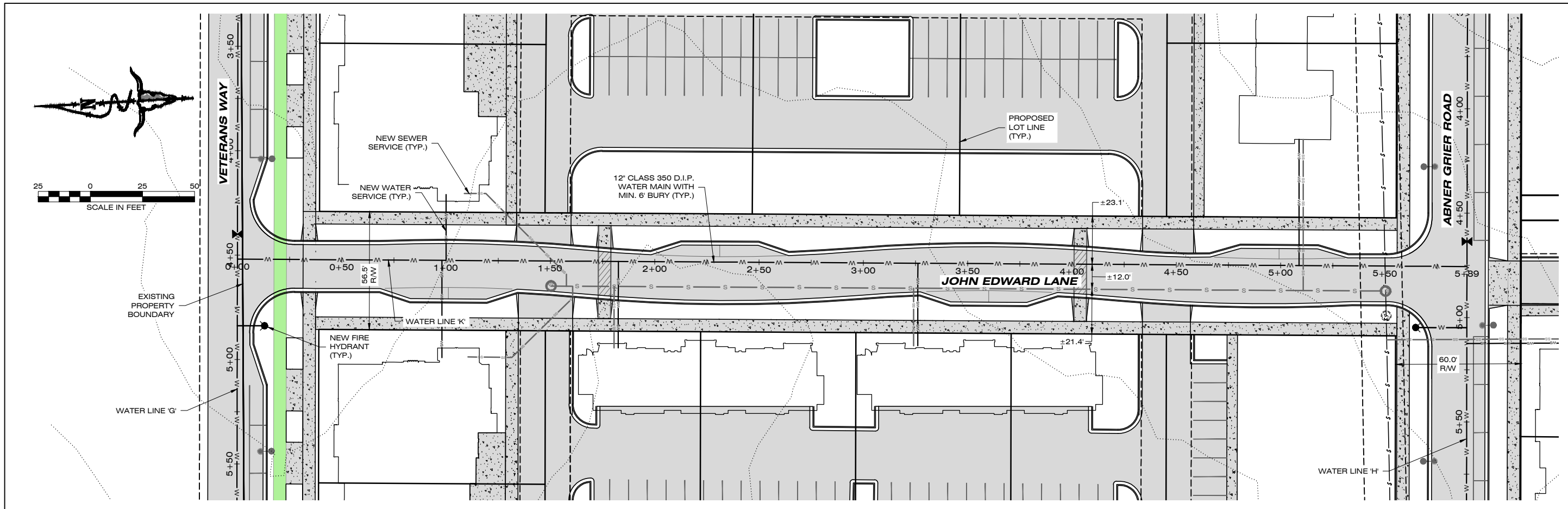
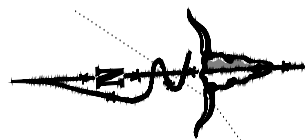
LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET

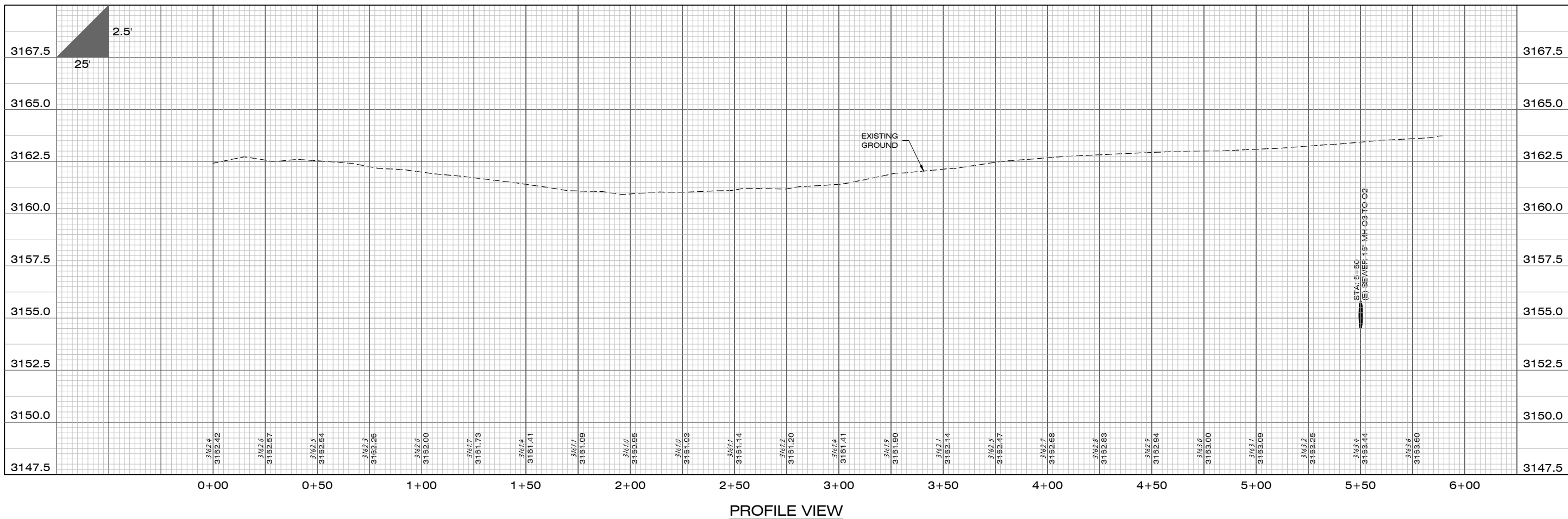
PROJECT NO. 21002675
 SHEET: 21 OF 27

STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\3. DRAWINGS\AUTOCAD\PLAN SET\UTILITY (SEWER-WATER)\WATER-21002675.DWG



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

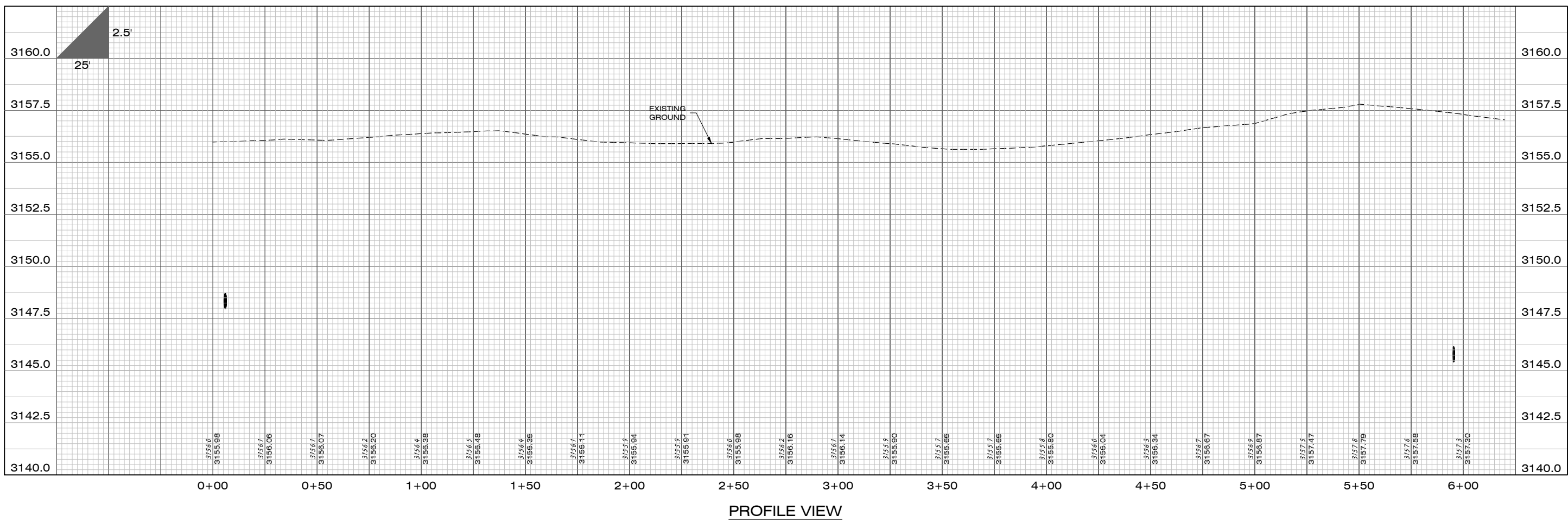
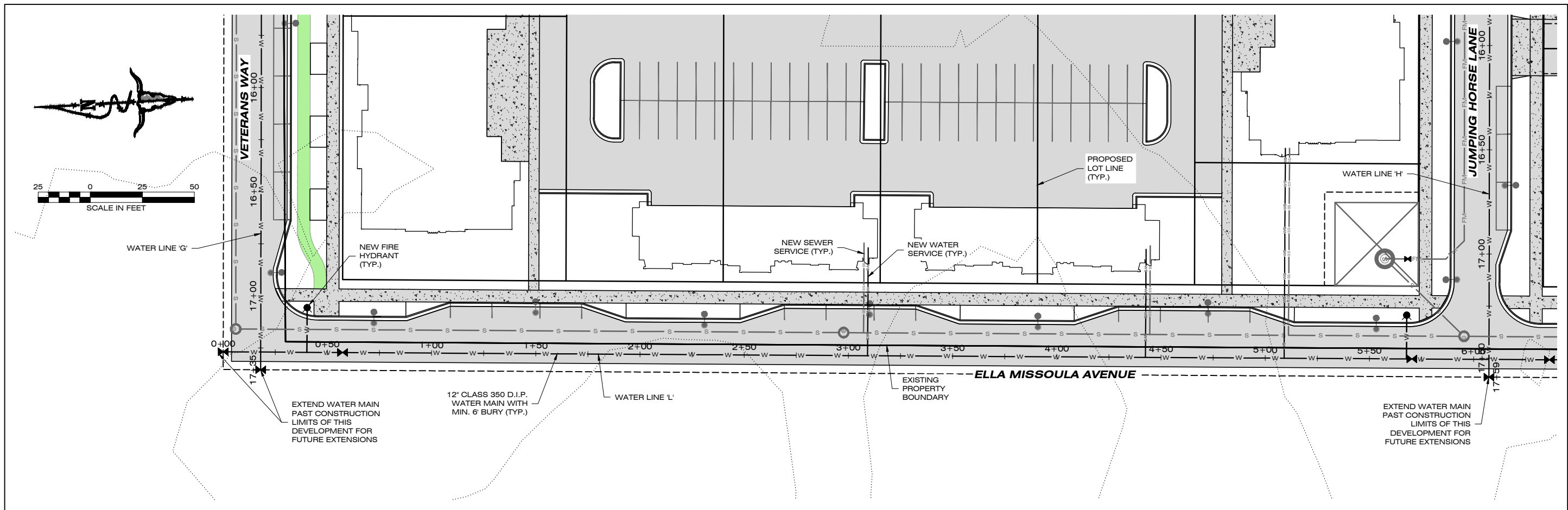
DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES AT DOUGHERTY RANCH
 PROJECT NO.: 21002675
 SHEET: 22 OF 27
 SHEET TITLE: UTILITY CONSTRUCTION PLANS WATER PLAN AND PROFILE SHEET

STAGE 2

DNV3 LOCATION: G:\021\21002675\CONSTRUCTION\DRAWINGS\AUTOCAD\PLAN\REVISION\BEVER\WATER\WATER-21002675.DWG



| | |
|-----------|--|
| DATE | |
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

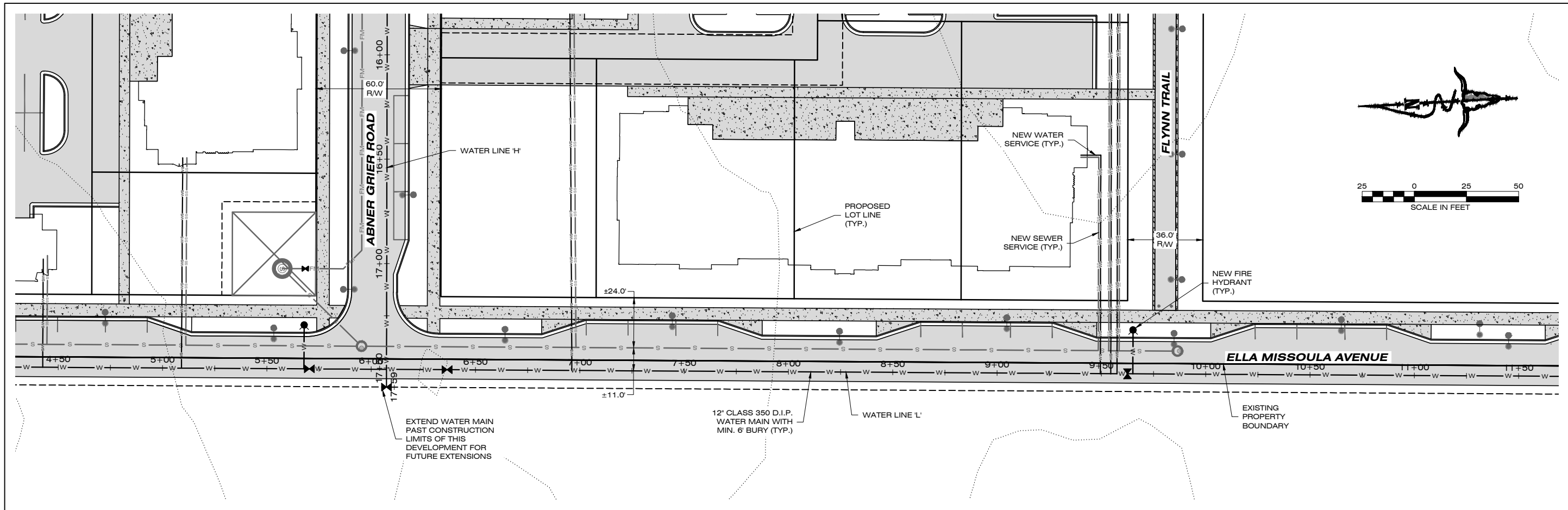
LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET

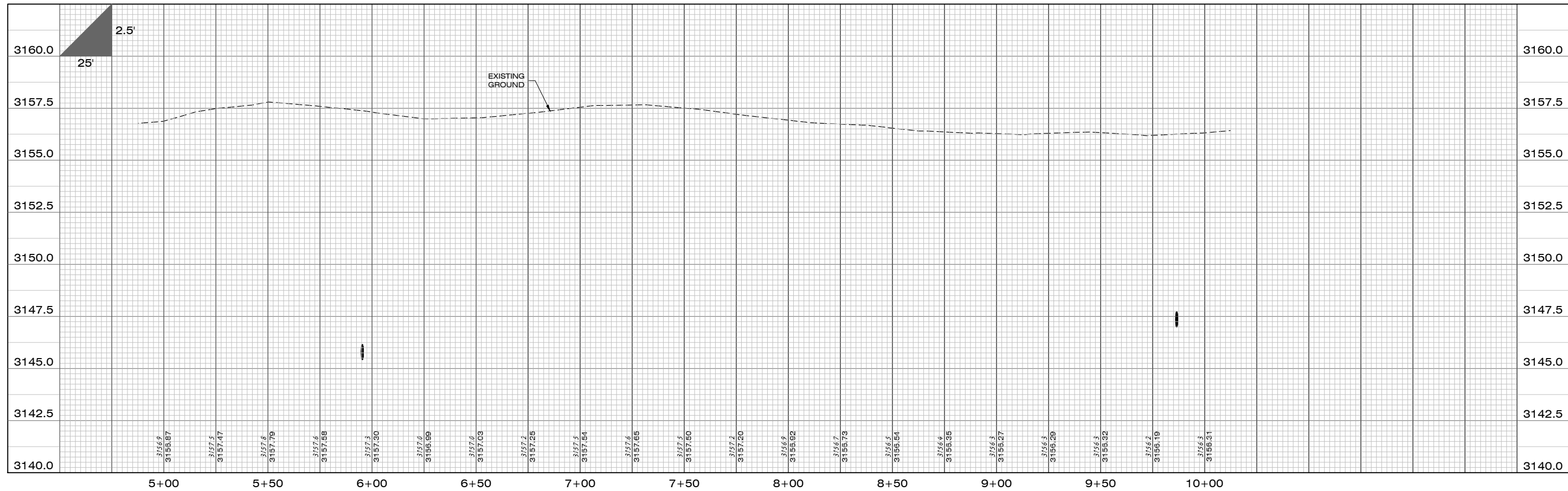
PROJECT NO. 21002675
 SHEET: 23 OF 27

STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\3D\DRAWINGS\AUTOCAD\PLAN\BETHELETH\BETHELETH\WATER\WATER\WATER-21002675.DWG PLOT DATE: 04/14/2023 8:00 AM



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

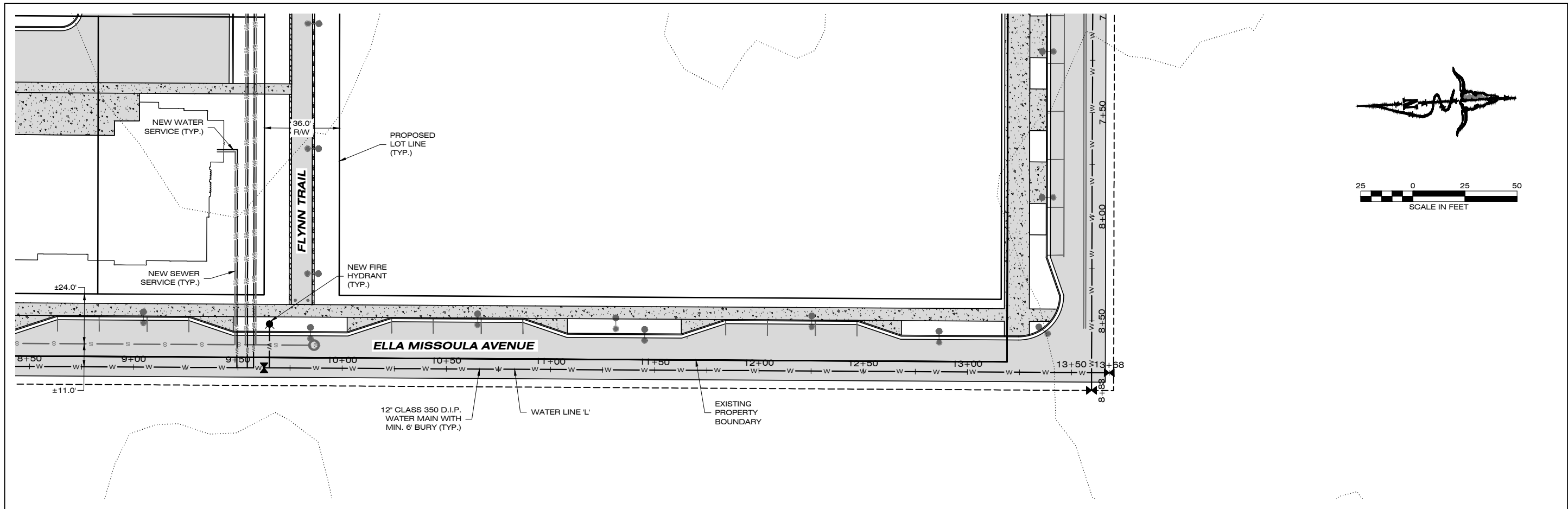
DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

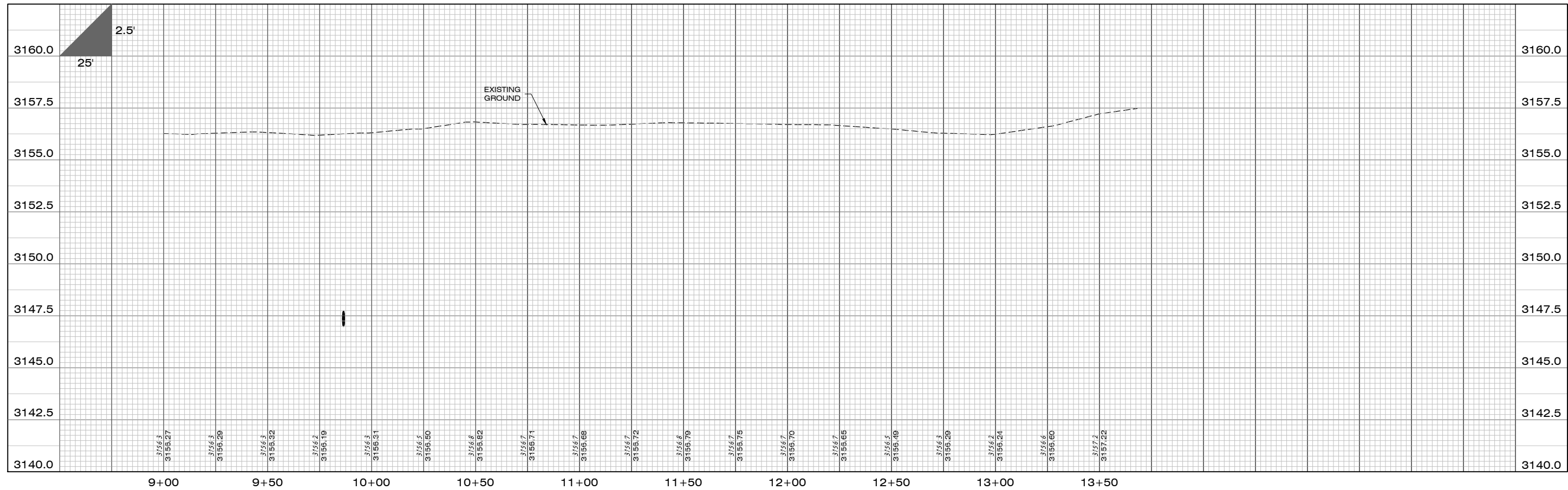
PROJECT NAME: ICON APARTMENT HOMES AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS WATER PLAN AND PROFILE SHEET
 PROJECT NO.: 21002675
 SHEET: 24 OF 27

STAGE 2

DWG LOCATION: G:\2021\21002675\CONSTRUCTION\3D\DRAWINGS\AUTOCAD\PLAN\REVISIONS\1817SOUTH\WATER\WTR-21002675.DWG



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

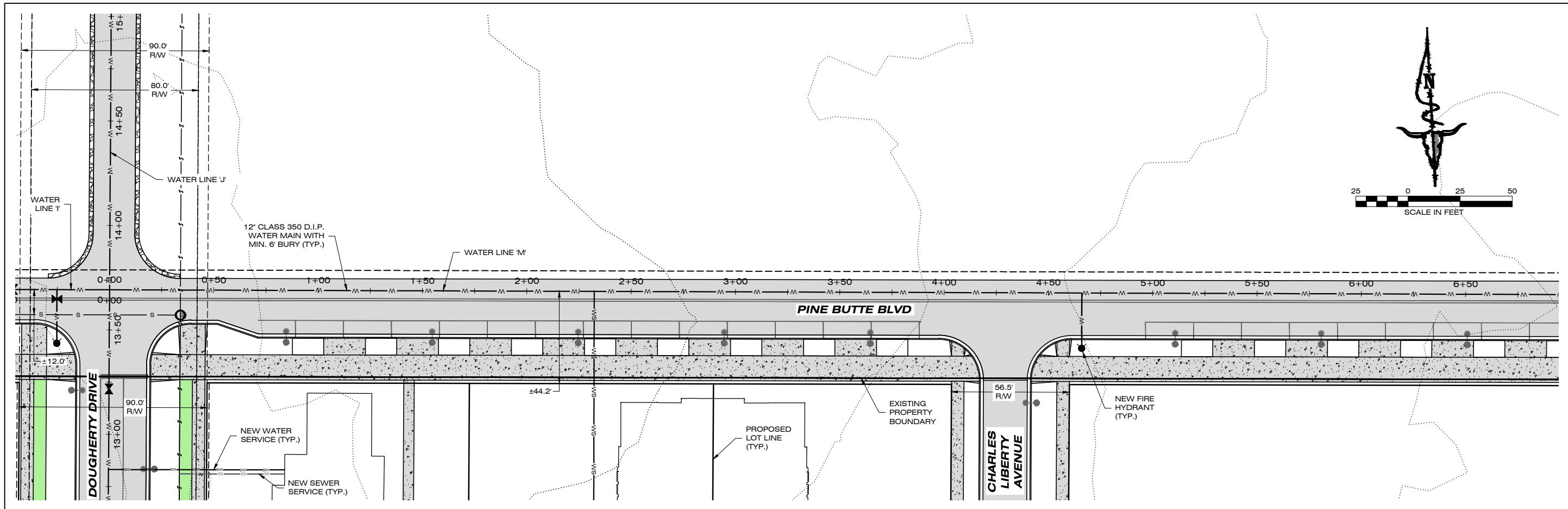
DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

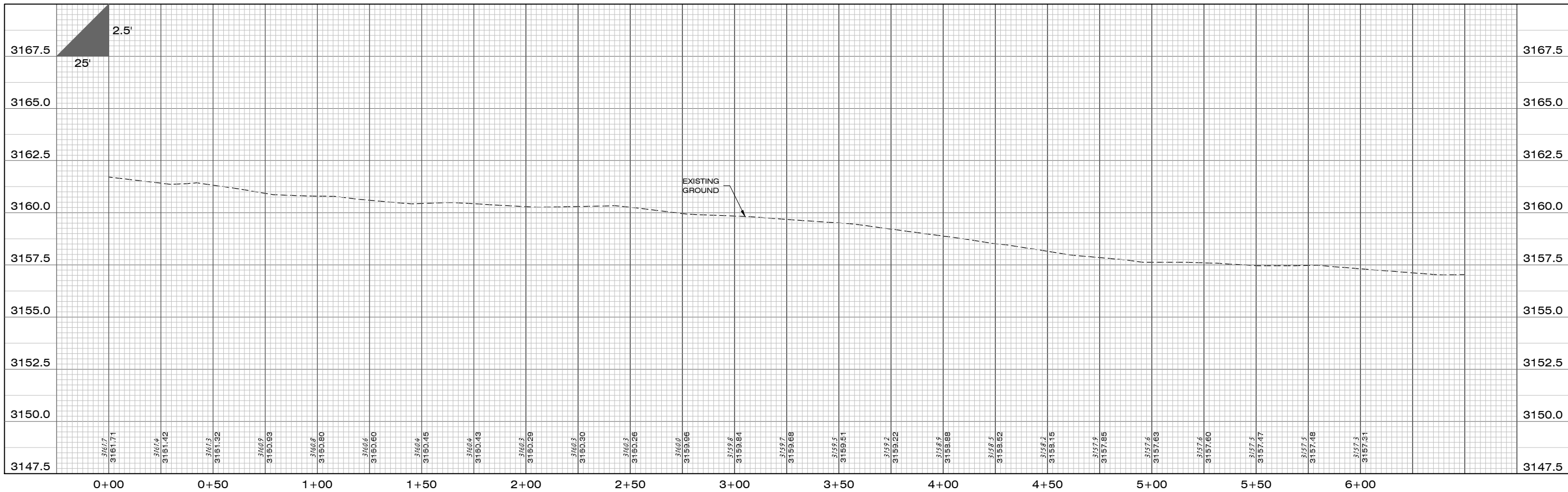
PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET

PROJECT NO. 21002675
 SHEET: 25 OF 27

STAGE 2



PLAN VIEW



PROFILE VIEW

| | |
|-----------|--|
| DATE | |
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

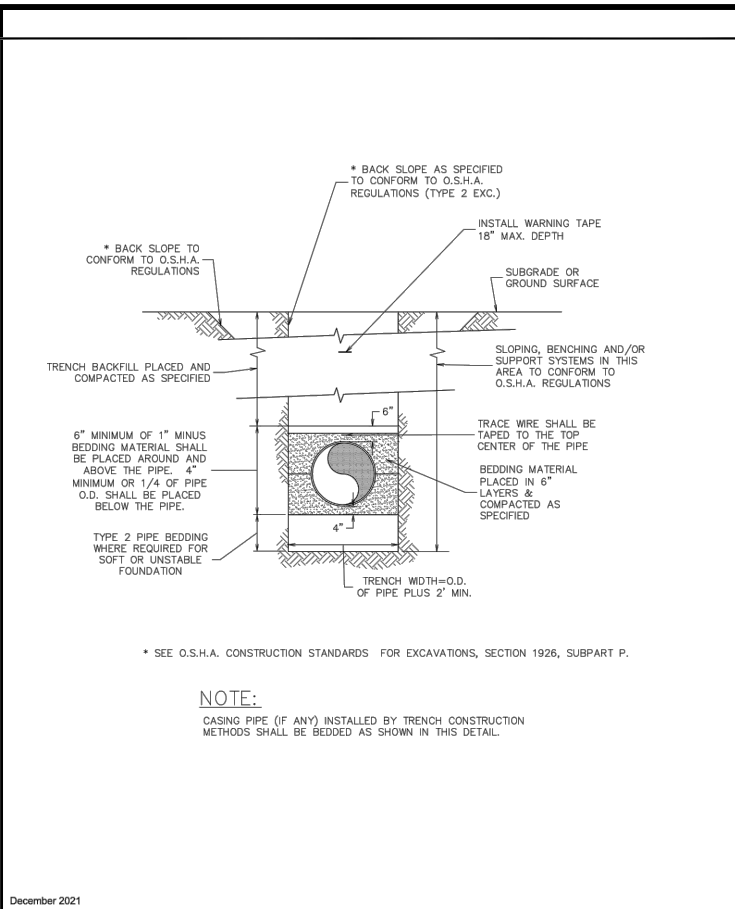
LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES
 AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS
 WATER PLAN AND PROFILE SHEET

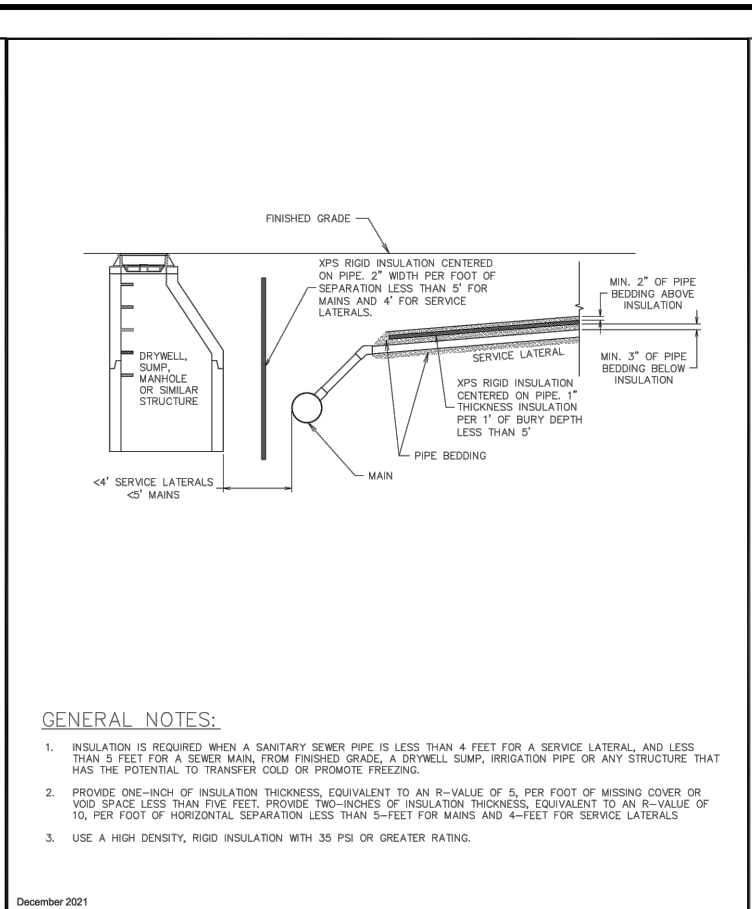
PROJECT NO. 21002675
 SHEET: 26 OF 27

STAGE 2

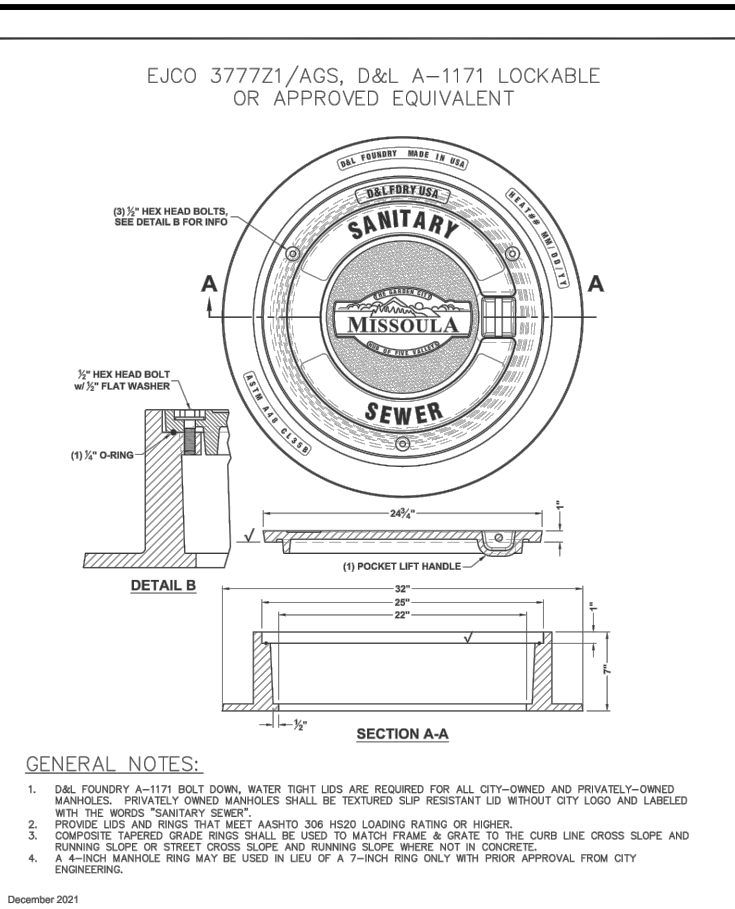
DWG LOCATION: G:\2021\21002675\CONSTRUCTION\3D\DRAWINGS\AUTOCAD\PLAN\REVISIONS\18\BEVER-WATER\PLAN\WTR-21002675.DWG



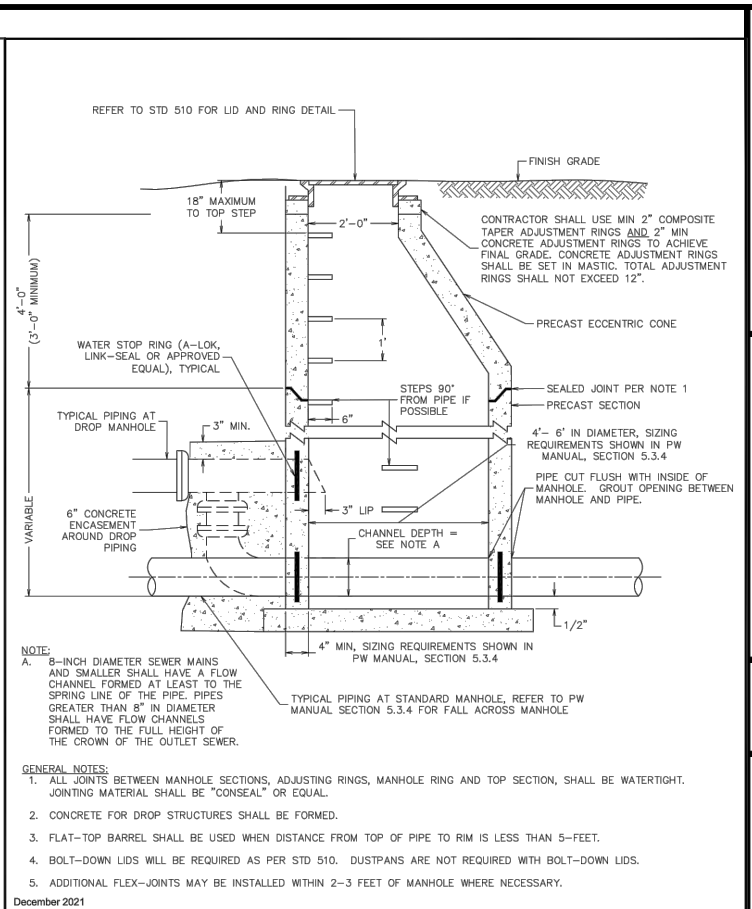
| | | | | |
|----------------------|--------------------------------------|--|---------------------|-----------|
| December 2021 | Typical Utility Trench Detail | Approved By Utilities Engineer Logan McInnis, PE | Adopted: 09/28/2020 | STD - 401 |
| Engineering Division | | | | |



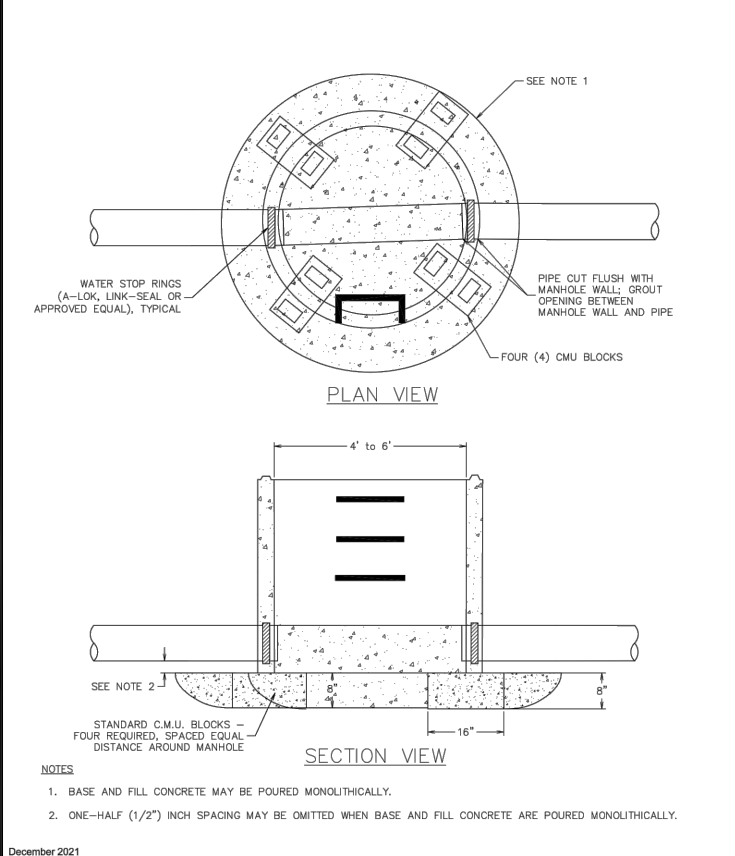
| | | | | |
|----------------------|--|---|--|-----------|
| December 2021 | Sanitary Sewer Service and Main Insulation Requirements | Approved By Utility Project Manager - Ross Mollenhauer, PE | Adopted: 09/28/2020 Revised: 07/23/2021 | STD - 500 |
| Engineering Division | | | | |



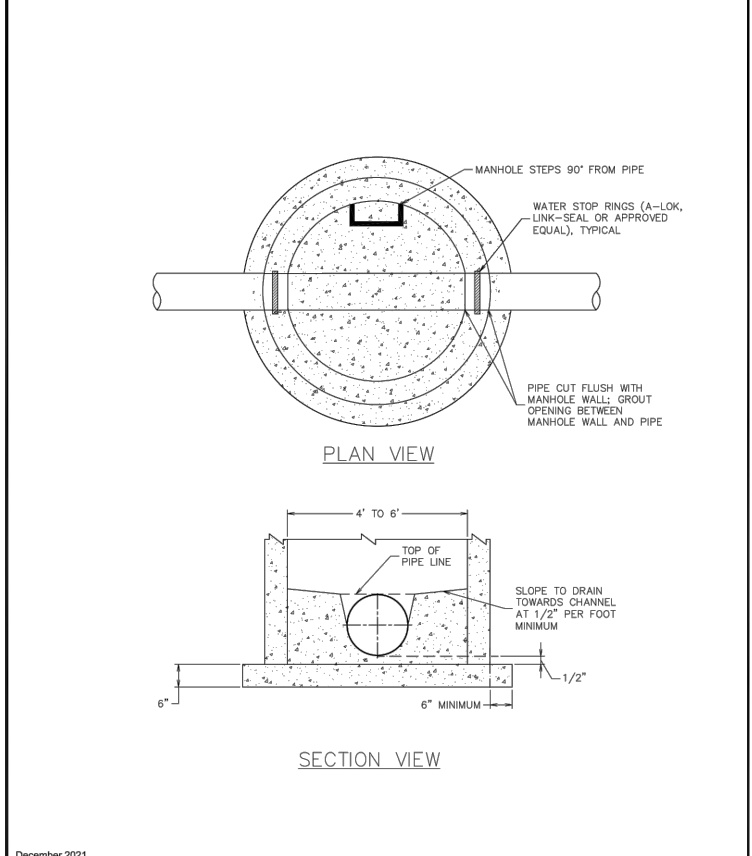
| | | | | |
|----------------------|---------------------------|---|--|-----------|
| December 2021 | Sanitary Sewer Lid | Approved By Utility Project Manager - Ross Mollenhauer, PE | Adopted: 09/28/2020 Revised: 10/22/2021 | STD - 510 |
| Engineering Division | | | | |



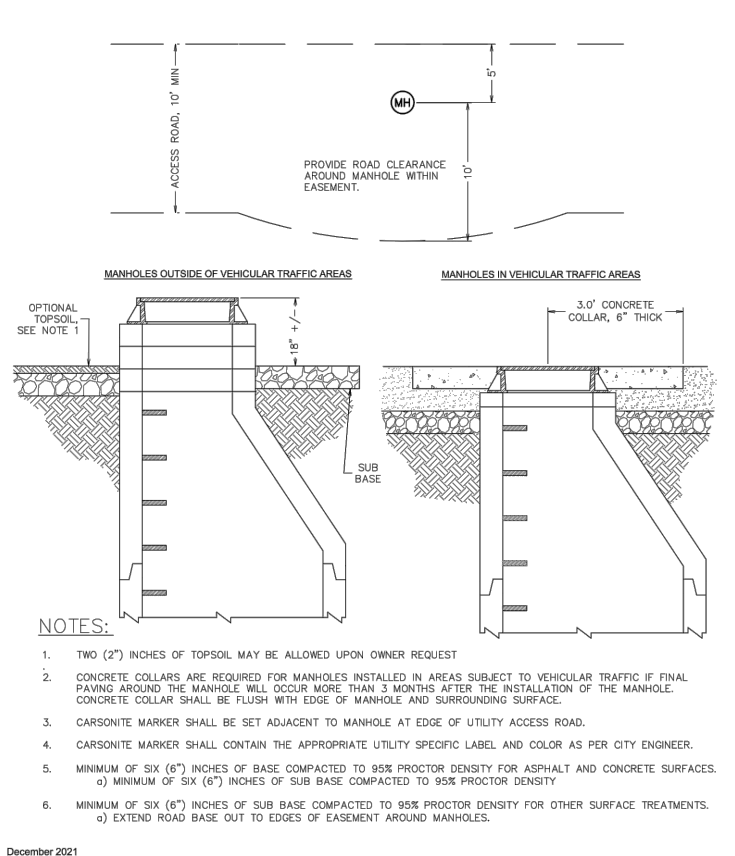
| | | | | |
|----------------------|--|---|--|-------------|
| December 2021 | Sanitary Sewer Manhole (Sheet 1 of 3) | Approved By City Engineer for Utilities Ross Mollenhauer, PE | Adopted: 09/28/2020 Revised: 03/25/2021 | STD - 512-1 |
| Engineering Division | | | | |



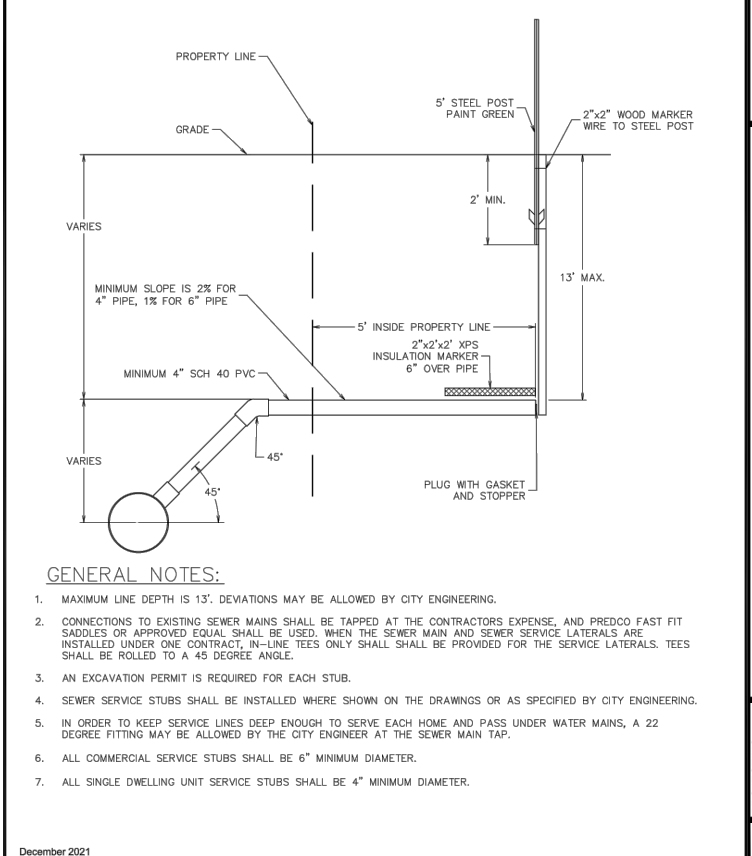
| | | | | |
|----------------------|---|---|--|-------------|
| December 2021 | Sanitary Sewer Manhole - Dog House Base (Sheet 2 of 3) | Approved By City Engineer for Utilities Ross Mollenhauer, PE | Adopted: 09/28/2020 Revised: 03/25/2021 | STD - 512-2 |
| Engineering Division | | | | |



| | | | | |
|----------------------|---|---|--|-------------|
| December 2021 | Sanitary Sewer Manhole - Precast Base (Sheet 3 of 3) | Approved By City Engineer for Utilities Ross Mollenhauer, PE | Adopted: 09/28/2020 Revised: 03/25/2021 | STD - 512-3 |
| Engineering Division | | | | |



| | | | | |
|----------------------|----------------------------|---|-------------------|-----------|
| December 2021 | Utility Access Road | Approved By Utility Project Manager - Ross Mollenhauer, PE | Revised: 09/28/20 | STD - 514 |
| Engineering Division | | | | |



| | | | | |
|----------------------|------------------------------------|---|---------------------|-----------|
| December 2021 | Standard Sewer Service Stub | Approved By Utility Project Manager - Ross Mollenhauer, PE | Revised: 09/28/2020 | STD - 520 |
| Engineering Division | | | | |

IMEG
1817 SOUTH AVE. W. STE. A PH: 406.721.0142
MISSOULA, MT FAX: 406.721.5224
www.imegcorp.com 59801

DATE: _____

REVISIONS: _____

DESIGNED: AM

DRAFTED: AM

CHECKED: DO

DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850 SECTION 7, T13N, R19W, P.M.M. & SECTION 12, T13N, R20W, P.M.M. MISSOULA COUNTY, MONTANA

PREPARED FOR: BRAXTON DEVELOPMENT LLC

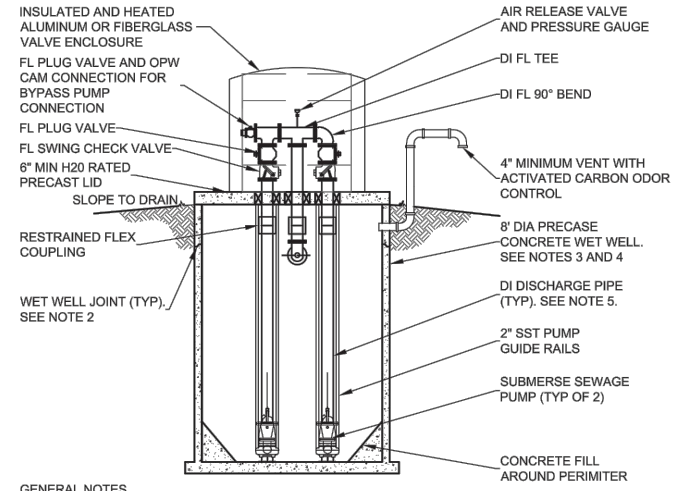
PROJECT NAME: ICON APARTMENT HOMES AT DOUGHERTY RANCH

SHEET TITLE: UTILITY CONSTRUCTION PLANS DETAIL SHEET

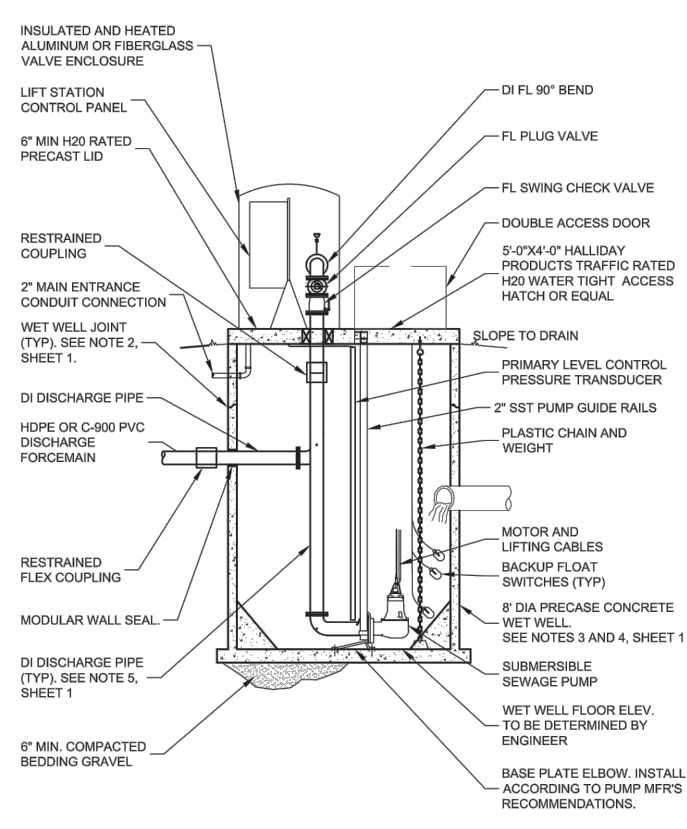
PROJECT NO: 21002675

SHEET: D1 of D4

STAGE 2



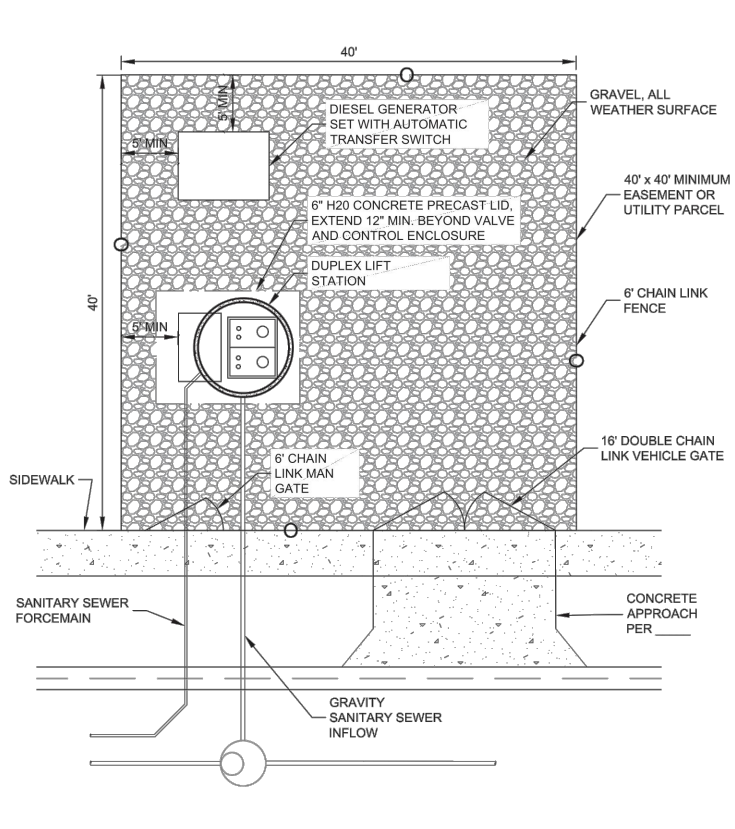
- GENERAL NOTES**
1. WET WELL SECTIONS SHALL BE PRECAST CONCRETE MEETING ASTM C478
 2. WET WELL SHALL HAVE PREFORMED FLEXIBLE SEALANT JOINTS MEETING ASTM C990. CONTRACTOR SHALL INSTALL EXTERNAL JOINT WRAP ON ALL WET WELL JOINTS PRIOR TO APPLYING EXTERNAL COATING. EXTERNAL JOINT WRAP SHALL BE UPPER PENINSULA RUBBER COMPANY (CADILLOC), CONSEAL (CS-212) ON APPROVAL EQUAL.
 3. CONTRACTOR SHALL APPLY AN EXTERNAL WATERPROOF COATING (MINIMUM 60 MILS) TO WET WELL AS PER THE CITY PUBLIC WORKS MANUAL REQUIREMENTS.
 4. CONTRACTOR SHALL APPLY A LINER (MINIMUM 125 MILS) TO THE INTERIOR OF WET WELL AS PER THE CITY PUBLIC WORKS MANUAL REQUIREMENTS.
 5. ALL EXPOSED DUCTILE IRON PIPE AND FITTINGS SHALL BE MANUFACTURED AND DELIVERED WITH NO ASPHALTIC COATING. EXPOSED PIPE AND FITTINGS SHALL BE COATED OUTSIDE WITH A FACTORY-APPLIED, HIGH-SOLIDS EPOXY PRIMER WITH ALL EXPOSED PIPES, VALVES AND FITTINGS FIELD COATED AFTER ASSEMBLY WITH A POLYAMIDE EPOXY COATING OF 10 MILS MINIMUM THICKNESS.
 6. ALL PUMP AND PIPE SIZING TO BE COMPLETE BY ENGINEER. DISCHARGE PIPING 4" MINIMUM



December 2021

Standard Sewer Lift Station (Sheet 2 of 3)

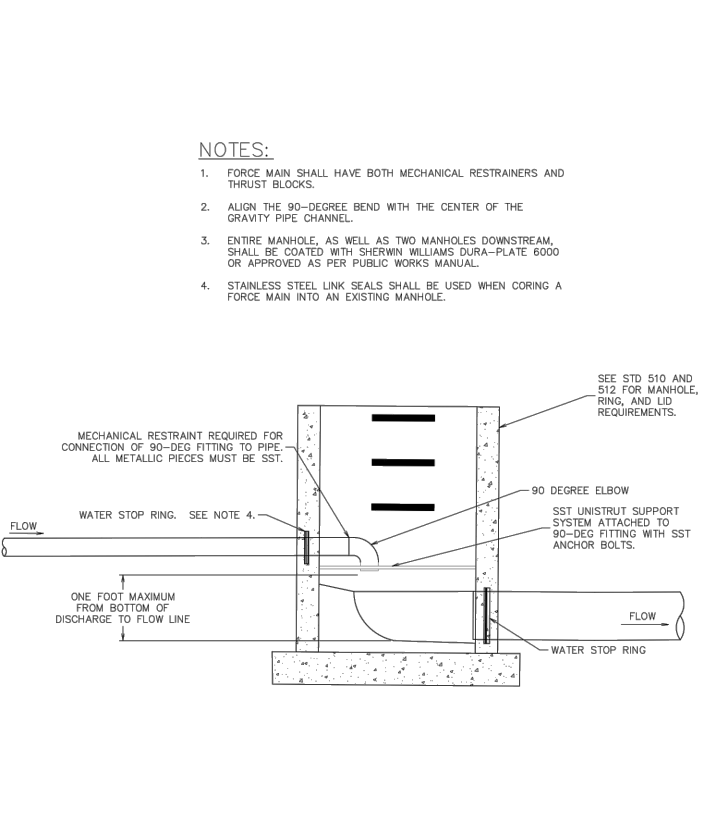
Approved By Utility Project Manager - Ross Mollenhauer, PE
 Adopted: 9/28/2020
 STD - 550



December 2021

Standard Sewer Lift Station (Sheet 3 of 3)

Approved By Utility Project Manager - Ross Mollenhauer, PE
 Adopted: 9/28/2020
 STD - 550



December 2021

FORCE MAIN TERMINATION DETAIL

Approved By Utility Project Manager - Ross Mollenhauer, PE
 Revised: 09/28/2020
 STD - 555

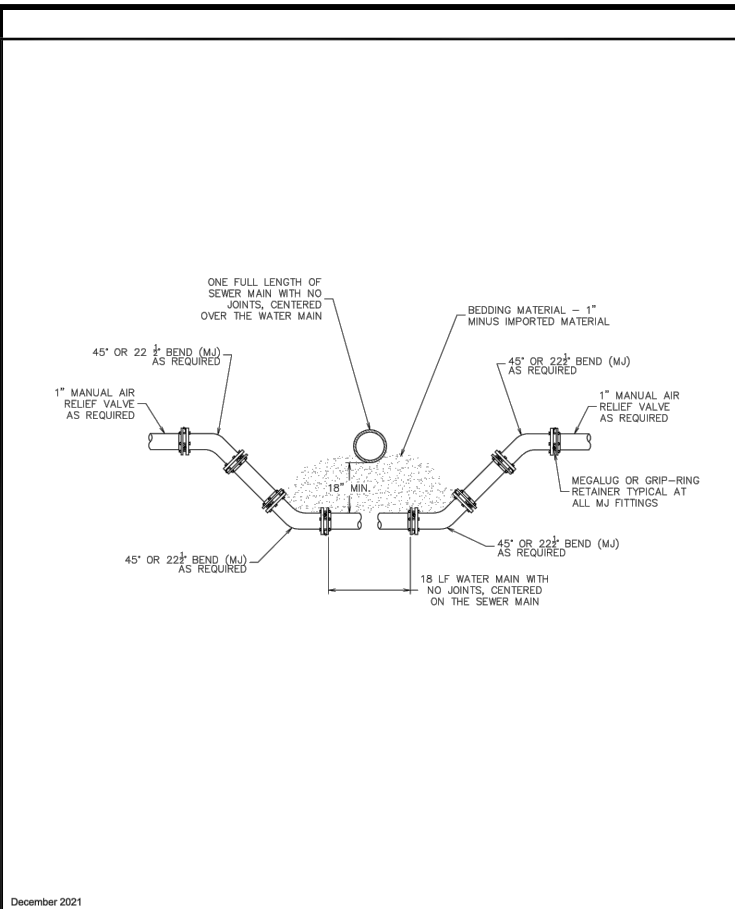
- NOTES:**
1. FORCE MAIN SHALL HAVE BOTH MECHANICAL RESTRAINERS AND THRUST BLOCKS.
 2. ALIGN THE 90-DEGREE BEND WITH THE CENTER OF THE GRAVITY CHANNEL.
 3. ENTIRE MANHOLE, AS WELL AS TWO MANHOLES DOWNSTREAM, SHALL BE COATED WITH SHERWIN WILLIAMS DURA-PLATE 6000 OR APPROVED AS PER PUBLIC WORKS MANUAL.
 4. STAINLESS STEEL LINK SEALS SHALL BE USED WHEN CORING A FORCE MAIN INTO AN EXISTING MANHOLE.



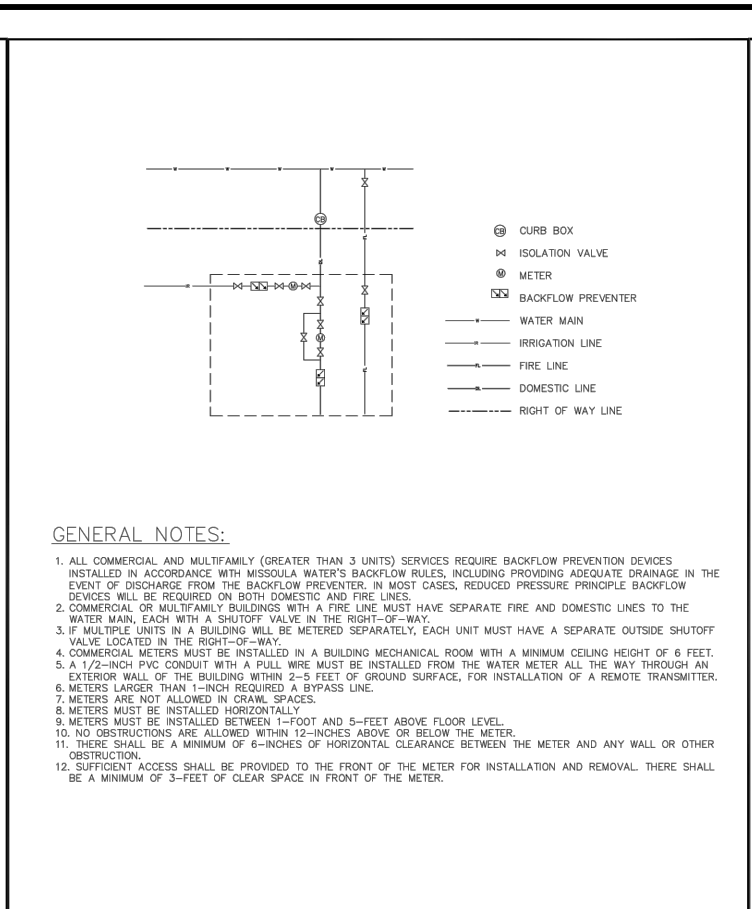
| | |
|-----------|-----------|
| DATE | |
| REVISIONS | |
| DESIGNED: | AM |
| DRAFTED: | AM |
| CHECKED: | DO |
| DATE: | MAR. 2023 |

LOCATION: TRACT B OF C.O.S. 6850 SECTION 7, T13N, R19W, P.M.M. & SECTION 12, T13N, R20W, P.M.M. MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

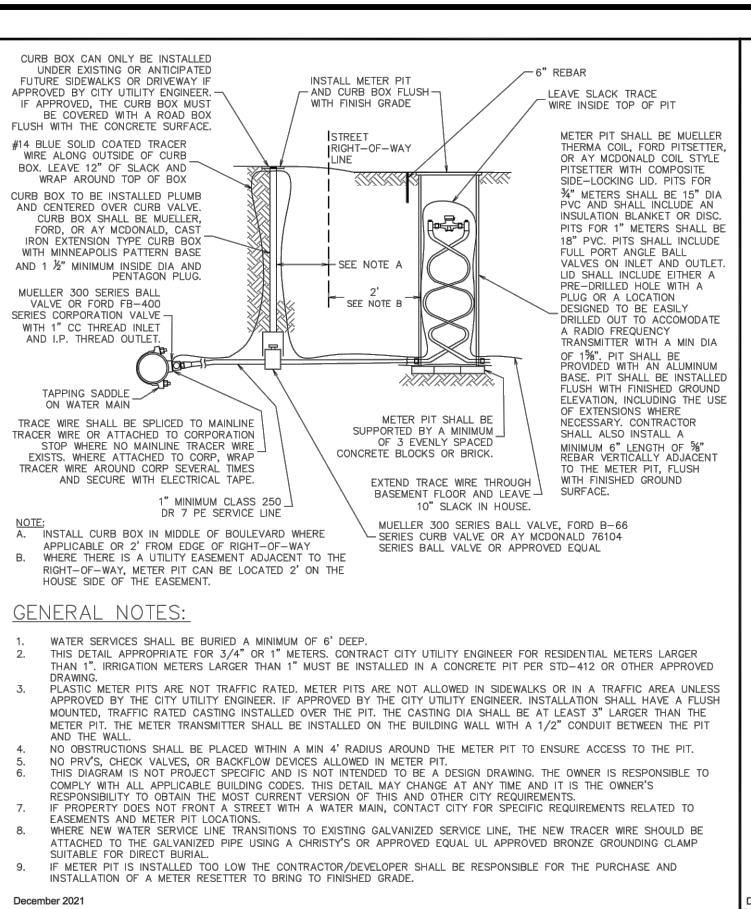
PROJECT NAME: ICON APARTMENT HOMES AT DOUGHERTY RANCH
 SHEET TITLE: UTILITY CONSTRUCTION PLANS DETAIL SHEET
 PROJECT NO.: 21002675
 SHEET: D2 OF D4
STAGE 2



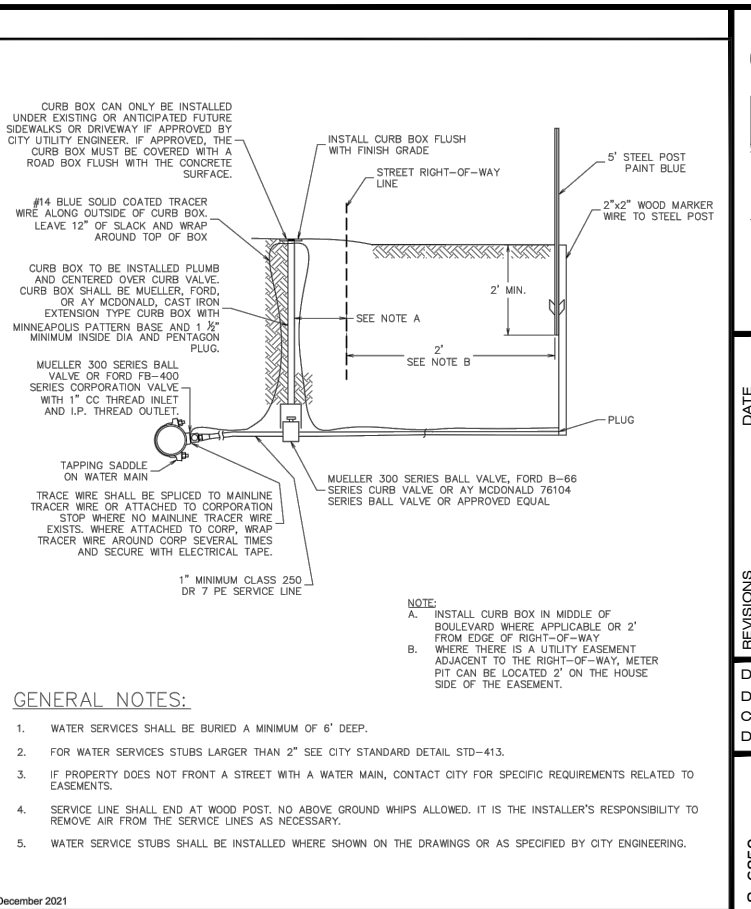
| | | | | |
|---------------|----------------------|--|--|-----------|
| December 2021 | Engineering Division | Approved By Utilities Engineer Logan McInnis, PE | Adopted: 09/28/2020 Revised: 02/04/2021 | STD - 402 |
|---------------|----------------------|--|--|-----------|



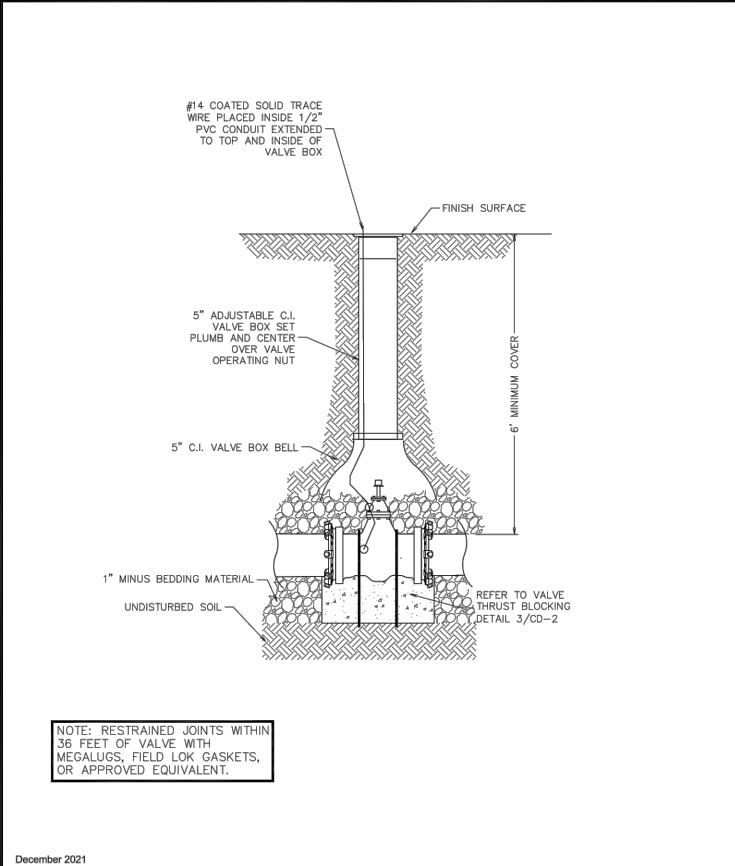
| | | | | |
|---------------|----------------------|--|---------------------|-----------|
| December 2021 | Engineering Division | Approved By Utilities Engineer Logan McInnis, PE | Adopted: 09/28/2020 | STD - 403 |
|---------------|----------------------|--|---------------------|-----------|



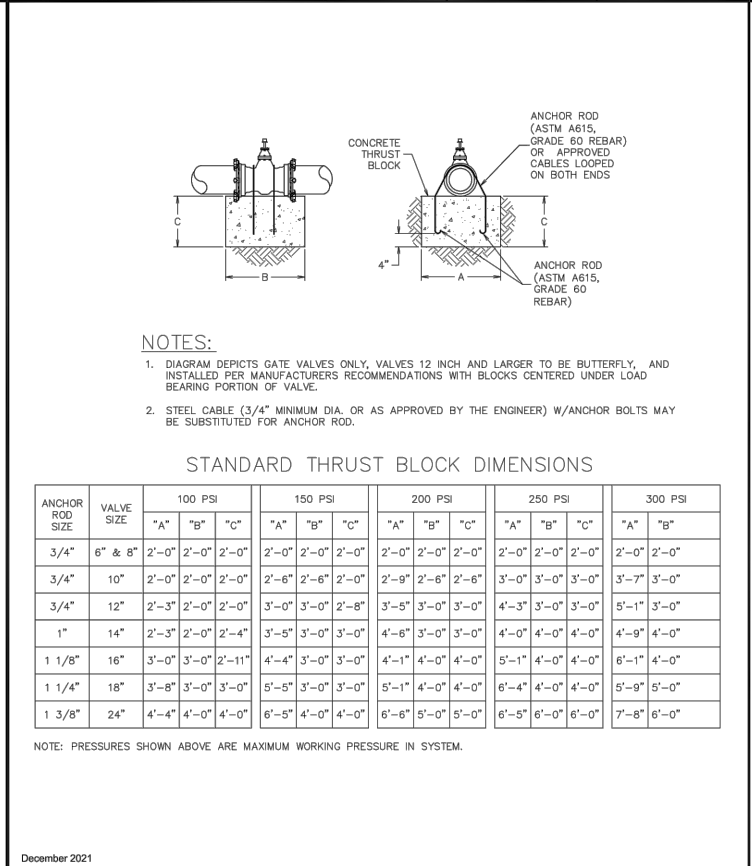
| | | | | |
|---------------|----------------------|--|--|------------|
| December 2021 | Engineering Division | Approved By Utilities Engineer Logan McInnis, PE | Adopted: 09/28/2020 Revised: 03/25/2021 | STD - 404A |
|---------------|----------------------|--|--|------------|



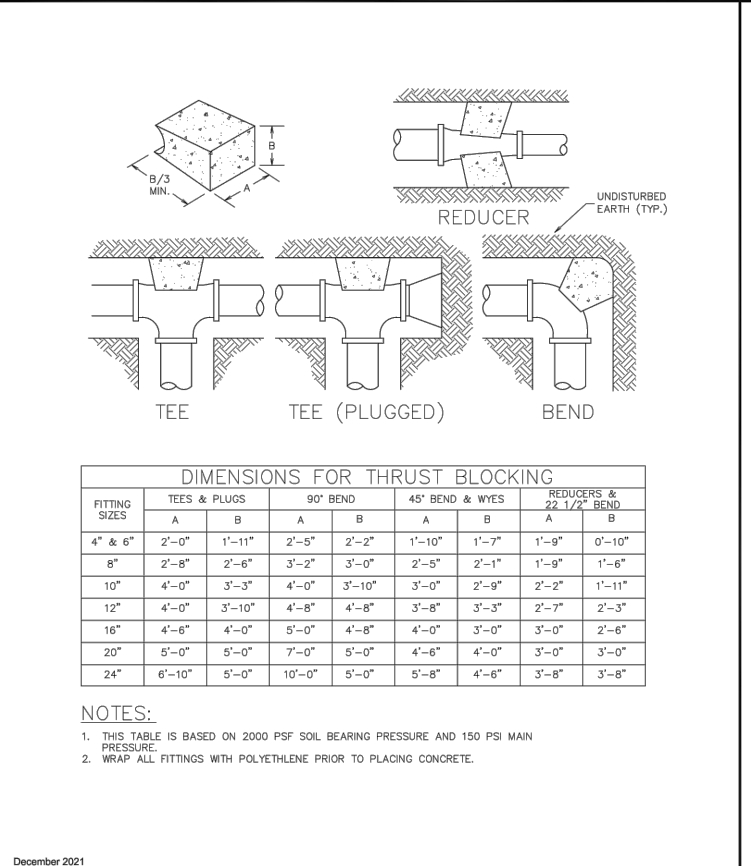
| | | | | |
|---------------|----------------------|--|--|------------|
| December 2021 | Engineering Division | Approved By Utilities Engineer Logan McInnis, PE | Adopted: 09/28/2020 Revised: 03/25/2021 | STD - 404B |
|---------------|----------------------|--|--|------------|



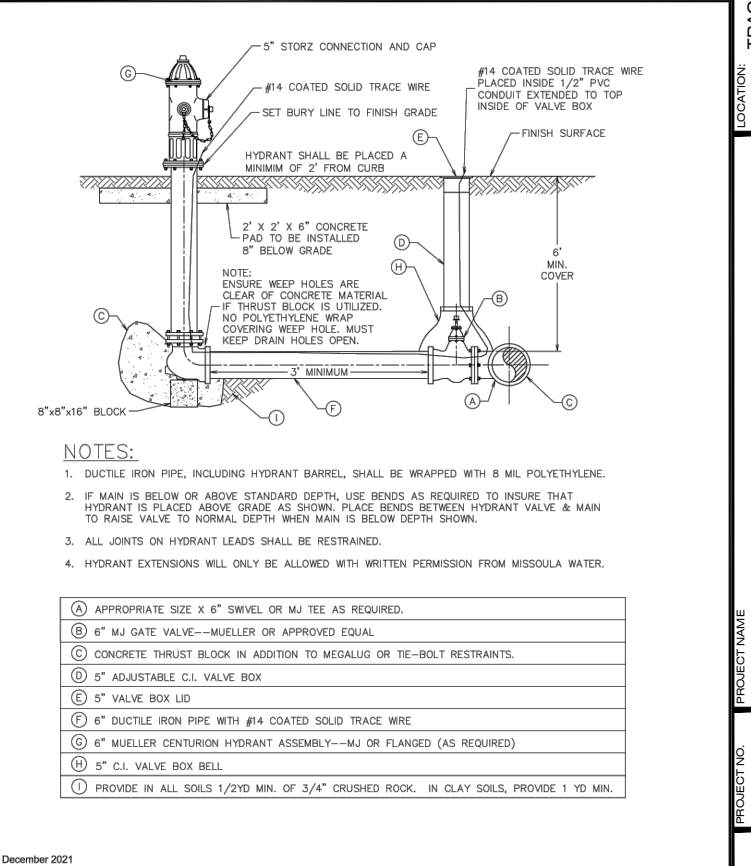
| | | | | |
|---------------|----------------------|--|--|-----------|
| December 2021 | Engineering Division | Approved By Utilities Engineer Logan McInnis, PE | Adopted: 09/28/2020 Revised: 02/04/2021 | STD - 405 |
|---------------|----------------------|--|--|-----------|



| | | | | |
|---------------|----------------------|--|--|-----------|
| December 2021 | Engineering Division | Approved By Utilities Engineer Logan McInnis, PE | Adopted: 09/28/2020 Revised: 02/04/2021 | STD - 406 |
|---------------|----------------------|--|--|-----------|



| | | | | |
|---------------|----------------------|--|---------------------|-----------|
| December 2021 | Engineering Division | Approved By Utilities Engineer Logan McInnis, PE | Revised: 09/28/2020 | STD - 407 |
|---------------|----------------------|--|---------------------|-----------|



| | | | | |
|---------------|----------------------|--|--|-----------|
| December 2021 | Engineering Division | Approved By Utilities Engineer Logan McInnis, PE | Adopted: 09/28/2020 Revised: 12/17/2020 | STD - 408 |
|---------------|----------------------|--|--|-----------|

GENERAL NOTES:

1. ALL COMMERCIAL AND MULTIFAMILY (GREATER THAN 3 UNITS) SERVICES REQUIRE BACKFLOW PREVENTION DEVICES INSTALLED IN ACCORDANCE WITH MISSOULA WATER'S BACKFLOW RULES, INCLUDING PROVIDING ADEQUATE DRAINAGE IN THE EVENT OF DISCHARGE FROM THE BACKFLOW PREVENTER. IN MOST CASES, REDUCED PRESSURE PRINCIPLE BACKFLOW DEVICES WILL BE REQUIRED ON BOTH DOMESTIC AND FIRE LINES.
2. COMMERCIAL OR MULTIFAMILY BUILDINGS WITH A FIRE LINE MUST HAVE SEPARATE FIRE AND DOMESTIC LINES TO THE WATER MAIN, EACH WITH A SHUTOFF VALVE IN THE RIGHT-OF-WAY.
3. IF MULTIPLE UNITS IN A BUILDING WILL BE METERED SEPARATELY, EACH UNIT MUST HAVE A SEPARATE OUTSIDE SHUTOFF VALVE LOCATED IN THE RIGHT-OF-WAY.
4. COMMERCIAL METERS MUST BE INSTALLED IN A BUILDING MECHANICAL ROOM WITH A MINIMUM CEILING HEIGHT OF 8 FEET.
5. A 1/2-INCH PVC CONDUIT WITH A PULL WIRE MUST BE INSTALLED FROM THE WATER METER ALL THE WAY THROUGH AN EXTERIOR WALL OF THE BUILDING WITHIN 2-5 FEET OF GROUND SURFACE, FOR INSTALLATION OF A REMOTE TRANSMITTER.
6. METERS LARGER THAN 1-INCH REQUIRED A BYPASS LINE.
7. METERS ARE NOT ALLOWED IN CRAWL SPACES.
8. METERS MUST BE INSTALLED HORIZONTALLY.
9. METERS MUST BE INSTALLED BETWEEN 1-FOOT AND 5-FEET ABOVE FLOOR LEVEL.
10. NO OBSTRUCTIONS ARE ALLOWED WITHIN 12-INCHES ABOVE OR BELOW THE METER.
11. THERE SHALL BE A MINIMUM OF 6-INCHES OF HORIZONTAL CLEARANCE BETWEEN THE METER AND ANY WALL OR OTHER OBSTRUCTION.
12. SUFFICIENT ACCESS SHALL BE PROVIDED TO THE FRONT OF THE METER FOR INSTALLATION AND REMOVAL. THERE SHALL BE A MINIMUM OF 3-FEET OF CLEAR SPACE IN FRONT OF THE METER.

GENERAL NOTES:

1. WATER SERVICES SHALL BE BURIED A MINIMUM OF 6" DEEP.
2. THIS DETAIL APPROPRIATE FOR 3/4" OR 1" METERS. CONTRACT CITY UTILITY ENGINEER FOR RESIDENTIAL METERS LARGER THAN 1" IRRIGATION METERS LARGER THAN 1" MUST BE INSTALLED IN A CONCRETE PIT PER STD-412 OR OTHER APPROVED DRAWING.
3. PLASTIC METER PITS ARE NOT TRAFFIC RATED. METER PITS ARE NOT ALLOWED IN SIDEWALKS OR IN A TRAFFIC AREA UNLESS APPROVED BY THE CITY UTILITY ENGINEER. IF APPROVED BY THE CITY UTILITY ENGINEER, INSTALLATION SHALL HAVE A FLUSH MOUNTED, TRAFFIC RATED CASTING INSTALLED OVER THE PIT. THE CASTING DIA SHALL BE AT LEAST 3" LARGER THAN THE METER PIT. THE METER TRANSMITTER SHALL BE INSTALLED ON THE BUILDING WALL WITH A 1/2" CONDUIT BETWEEN THE PIT AND THE WALL.
4. NO OBSTRUCTIONS SHALL BE PLACED WITHIN A MIN 4' RADIUS AROUND THE METER PIT TO ENSURE ACCESS TO THE PIT. NO PRVS, CHECK VALVES, OR BACKFLOW DEVICES ALLOWED IN METER PIT.
5. THIS DIAGRAM IS NOT PROJECT SPECIFIC AND IS NOT INTENDED TO BE A DESIGN DRAWING. THE OWNER IS RESPONSIBLE TO COMPLY WITH ALL APPLICABLE BUILDING CODES. THIS DETAIL MAY CHANGE AT ANY TIME AND IT IS THE OWNER'S RESPONSIBILITY TO OBTAIN THE MOST CURRENT VERSION OF THIS AND OTHER CITY REQUIREMENTS.
6. IF PROPERTY DOES NOT FRONT A STREET WITH A WATER MAIN, CONTACT CITY FOR SPECIFIC REQUIREMENTS RELATED TO EASEMENTS AND METER PIT LOCATIONS.
7. WHERE NEW WATER SERVICE LINE TRANSITIONS TO EXISTING GALVANIZED SERVICE LINE, THE NEW TRACER WIRE SHOULD BE ATTACHED TO THE GALVANIZED PIPE USING A CHRISTY'S OR APPROVED EQUAL UL APPROVED BRONZE GROUNDING CLAMP SUITABLE FOR DIRECT BURIAL.
8. IF METER PIT IS INSTALLED TOO LOW THE CONTRACTOR/DEVELOPER SHALL BE RESPONSIBLE FOR THE PURCHASE AND INSTALLATION OF A METER RESETTER TO BRING TO FINISHED GRADE.

STANDARD THRUST BLOCK DIMENSIONS

| ANCHOR ROD SIZE | VALVE SIZE | 100 PSI | | | 150 PSI | | | 200 PSI | | | 250 PSI | | | 300 PSI | |
|-----------------|------------|---------|-------|--------|---------|-------|-------|---------|-------|-------|---------|-------|-------|---------|-------|
| | | "A" | "B" | "C" | "A" | "B" | "C" | "A" | "B" | "C" | "A" | "B" | "C" | "A" | "B" |
| 3/4" | 6" & 8" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" | 2'-0" |
| 3/4" | 10" | 2'-0" | 2'-0" | 2'-0" | 2'-6" | 2'-6" | 2'-0" | 2'-9" | 2'-6" | 2'-0" | 3'-0" | 3'-0" | 3'-0" | 3'-7" | 3'-0" |
| 3/4" | 12" | 2'-3" | 2'-0" | 2'-0" | 3'-0" | 3'-0" | 2'-8" | 3'-5" | 3'-0" | 3'-0" | 4'-3" | 3'-0" | 3'-0" | 5'-1" | 3'-0" |
| 1" | 14" | 2'-3" | 2'-0" | 2'-4" | 3'-5" | 3'-0" | 3'-0" | 4'-6" | 3'-0" | 3'-0" | 4'-0" | 4'-0" | 4'-0" | 4'-9" | 4'-0" |
| 1 1/8" | 16" | 3'-0" | 3'-0" | 2'-11" | 4'-4" | 3'-0" | 3'-0" | 4'-1" | 4'-0" | 4'-0" | 5'-1" | 4'-0" | 4'-0" | 6'-1" | 4'-0" |
| 1 1/4" | 18" | 3'-8" | 3'-0" | 3'-0" | 5'-5" | 3'-0" | 3'-0" | 5'-1" | 4'-0" | 4'-0" | 6'-4" | 4'-0" | 4'-0" | 5'-9" | 5'-0" |
| 1 3/8" | 24" | 4'-4" | 4'-0" | 4'-0" | 6'-5" | 4'-0" | 4'-0" | 6'-5" | 5'-0" | 5'-0" | 7'-8" | 6'-0" | 6'-0" | 7'-8" | 6'-0" |

NOTE: PRESSURES SHOWN ABOVE ARE MAXIMUM WORKING PRESSURE IN SYSTEM.

DIMENSIONS FOR THRUST BLOCKING

| FITTING SIZES | TEES & PLUGS | | 90° BEND | | 45° BEND & WYES | | REDUCERS & 22 1/2° BEND | |
|---------------|--------------|--------|----------|--------|-----------------|-------|-------------------------|--------|
| | A | B | A | B | A | B | A | B |
| 4" & 6" | 2'-0" | 1'-11" | 2'-5" | 2'-2" | 1'-10" | 1'-7" | 1'-9" | 0'-10" |
| 8" | 2'-8" | 2'-6" | 3'-2" | 3'-0" | 2'-5" | 2'-1" | 1'-9" | 1'-6" |
| 10" | 4'-0" | 3'-3" | 4'-0" | 3'-10" | 3'-0" | 2'-9" | 2'-2" | 1'-11" |
| 12" | 4'-0" | 3'-10" | 4'-8" | 4'-8" | 3'-8" | 3'-3" | 2'-7" | 2'-3" |
| 16" | 4'-6" | 4'-0" | 5'-0" | 4'-8" | 4'-0" | 3'-0" | 3'-0" | 2'-6" |
| 20" | 5'-0" | 5'-0" | 7'-0" | 5'-0" | 4'-6" | 4'-0" | 3'-0" | 3'-0" |
| 24" | 6'-10" | 5'-0" | 10'-0" | 5'-0" | 5'-8" | 4'-6" | 3'-8" | 3'-8" |

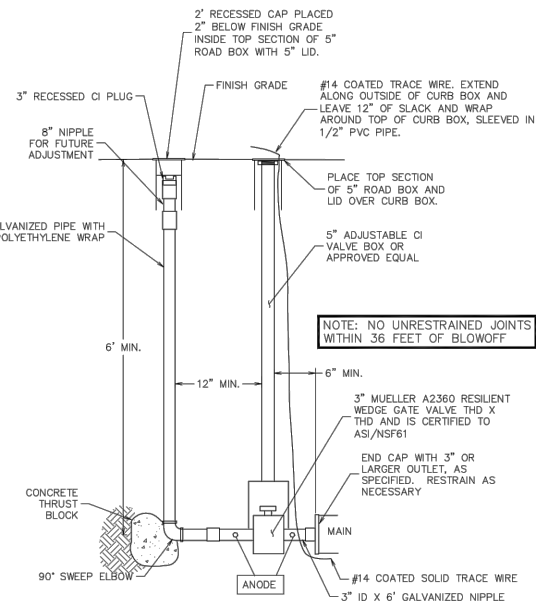
- NOTES:**
1. THIS TABLE IS BASED ON 2000 PSF SOIL BEARING PRESSURE AND 150 PSI MAIN PRESSURE.
 2. WRAP ALL FITTINGS WITH POLYETHYLENE PRIOR TO PLACING CONCRETE.



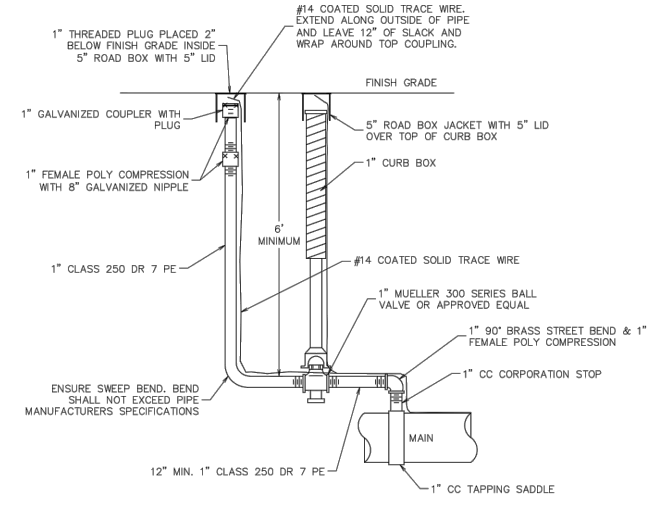
| | |
|-----------|-----------|
| DATE | |
| DESIGNED: | AM |
| DRAFTED: | AM |
| CHECKED: | DO |
| DATE: | MAR. 2023 |

LOCATION: TRACT B OF C.O.S. 6880 SECTION 7, T13N, R19W, P.M.M. & SECTION 12, T13N, R20W, P.M.M. MISSOULA COUNTY, MONTANA
 PREPARED FOR: BRAXTON DEVELOPMENT LLC

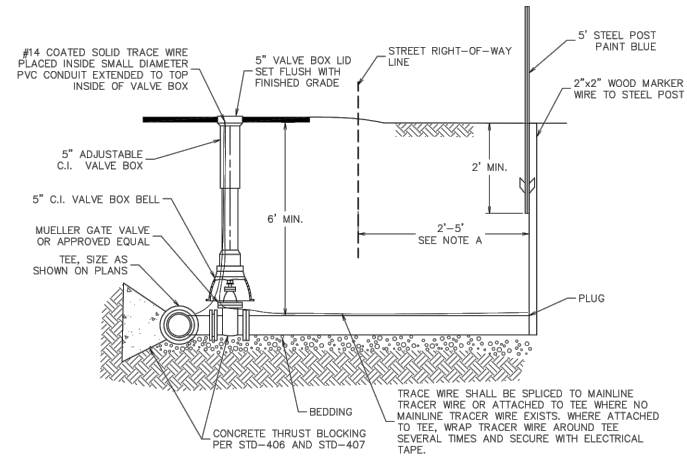
PROJECT NAME: ICON APARTMENT HOMES AT DOUGHERTY RANCH
 PROJECT NO.: 21002675
 SHEET TITLE: UTILITY CONSTRUCTION PLANS DETAIL SHEET
 SHEET: D3 OF D4
 STAGE 2



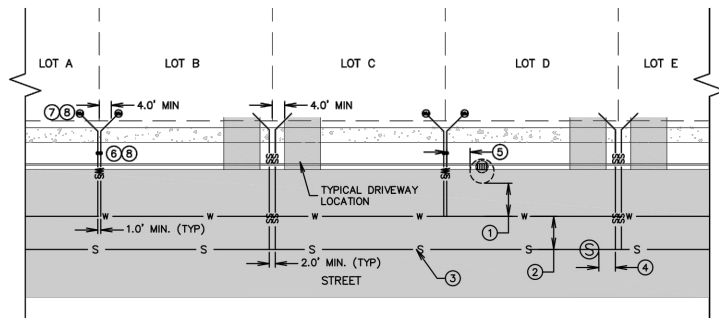
NOTE: NO UNRESTRAINED JOINTS WITHIN 36 FEET OF BLOWOFF



NOTES:
 1. WHERE AIR RELIEF VALVES (ARVs) ARE IDENTIFIED ON THE PLANS AS TEMPORARY, TRACER WIRE IS NOT REQUIRED AND ALL MATERIALS CAN BE SALVAGED AFTER THE CORP IS CLOSED, THE LINE IS CAPPED WITH A BRASS CAP AND FITTINGS ARE WRAPPED IN 10-MIL TAPE.



GENERAL NOTES:
 1. FOR COMMERCIAL SERVICES SMALLER THAN 4", SEE CITY STANDARD DETAIL STD-404B.
 2. VALVE SHALL REMAIN CLOSED UNTIL CONNECTION TO THE BUILDING.
 3. WATER SERVICES SHALL BE BURIED A MINIMUM OF 6' DEEP.
 4. IF PROPERTY DOES NOT FRONT A STREET WITH A WATER MAIN, CONTACT CITY FOR SPECIFIC REQUIREMENTS RELATED TO EASEMENTS.
 5. SERVICE LINE SHALL END AT WOOD POST. IT IS THE INSTALLER'S RESPONSIBILITY TO REMOVE AIR FROM THE SERVICE LINES AS NECESSARY.
 6. WATER SERVICE STUBS SHALL BE INSTALLED WHERE SHOWN ON THE DRAWINGS OR AS SPECIFIED BY CITY ENGINEERING.



GENERAL NOTES:
 1. WET UTILITY MAIN ALIGNMENTS SHOULD PARALLEL THE STREET RIGHT-OF-WAY TO MAXIMIZE RIGHT-OF-WAY AVAILABLE FOR FUTURE UTILITIES. ADDITIONAL SANITARY SEWER AND STORM WATER MANHOLES WILL LIKELY BE REQUIRED ON CURVES.
 2. WET UTILITY SERVICE LINES SHALL BE PERPENDICULAR TO THE MAIN.
 3. WET UTILITY MAINS AND SERVICE LINES SHALL NOT BE LOCATED IN BIOSWALES.
 4. STREET TREES SHALL NOT BE INSTALLED WITHIN 10 FEET OF WET UTILITY MAINS, AS MEASURED FROM CENTER OF TREE TO CENTER OF PIPE.
 5. AS AN ALTERNATIVE TO THE WATER AND SEWER SERVICE LAYOUT SHOWN, WATER AND SEWER SERVICE LINES CAN BE INSTALLED IN THE SAME TRENCH AS A WAY TO PRESERVE MORE ROOM FOR STREET TREES. WATER AND SEWER SERVICES SHALL BE SEPARATED BY 1.0' MINIMUM.

LEGEND-PROPOSED
 W WATER MAIN
 WS WATER SERVICE
 S SANITARY SEWER MAIN
 SS SANITARY SEWER SERVICE
 --- PROPERTY LINE
 CURB BOX
 METER PIT
 SANITARY SEWER MANHOLE
 DRY WELL

KEYED NOTES:
 ① NO WATER MAIN SHALL BE WITHIN 5 FEET OF THE NEAREST POINT OF ANY SANITARY OR STORM MANHOLE OR DRY WELL. THE DISTANCE TO A DRY WELL SHALL BE MEASURED TO THE EDGE OF THE STRUCTURE. WATER MAINS CLOSER THAN 10 FEET FROM A DRY WELL WILL REQUIRE A DEVIATION FROM DEED. NO SEWER MAIN SHALL BE WITHIN 5 FEET OF THE NEAREST POINT OF ANY STORM MANHOLE, CATCH BASIN OR DRY WELL. THE DISTANCE TO A DRY WELL SHALL BE MEASURED TO THE EDGE OF THE STRUCTURE.
 ② WATER AND SEWER MAINS SHALL BE SEPARATED BY A MINIMUM OF 10 FEET AS MEASURED FROM EDGE OF PIPE TO EDGE OF PIPE.
 ③ MANHOLES SHOULD BE LOCATED IN THE CENTERLINE OF THE ROAD OR THE CENTER OF THE DRIVE LANE.
 ④ SEWER SERVICE LINES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM EDGE OF MANHOLE.
 ⑤ WATER SERVICE LINES SHALL BE LOCATED A MINIMUM OF 7 FEET FROM EDGE OF DRY WELL CONCRETE STRUCTURE.
 ⑥ CURB BOXES SHALL BE LOCATED IN THE CENTER OF THE BOULEVARD WHERE APPLICABLE OR 2 FEET FROM EDGE OF RIGHT-OF-WAY.
 ⑦ METER PITS SHALL BE LOCATED 2 TO 5 FEET ON THE PROPERTY SIDE OF THE RIGHT-OF-WAY LINE OR AS SHOWN IN DETAIL STD-404A.
 ⑧ CURB BOXES AND METER PITS SHALL NOT BE INSTALLED WITHIN SIDEWALKS OR TRAFFIC AREAS WITHOUT PRIOR APPROVAL BY CITY UTILITY ENGINEER.

December 2021

Typical Blow-Off Assembly

Engineering Division

Approved By
 Utilities Engineer
 Logan McInnis, PE

Adopted: 09/28/2020
 Revised: 02/04/2021

STD - 409

December 2021

Manual Air Relief Detail

Engineering Division

Approved By
 Utilities Engineer
 Logan McInnis, PE

Revised: 09/28/2020

STD - 410

December 2021

Typical 4-Inch and Larger Water Service Stub Detail

Engineering Division

Approved By
 Utilities Engineer
 Logan McInnis, PE

Revised: 09/28/2020

STD - 413

December 2021

Typical Service Line Location Detail

Engineering Division

Approved By
 Utilities Engineer
 Logan McInnis, PE

Adopted: 03/09/2021

STD - 416

IMEG

1817 SOUTH AVE. W. STE. A
 MISSOULA, MT 59801

PH: 406.721.0142
 FAX: 406.721.5224
 www.imegcorp.com

| DATE | |
|-----------|--|
| REVISIONS | |

DESIGNED: AM
 DRAFTED: AM
 CHECKED: DO
 DATE: MAR. 2023

LOCATION: TRACT B OF C.O.S. 6850
 SECTION 7, T13N, R19W, P.M.M. &
 SECTION 12, T13N, R20W, P.M.M.
 MISSOULA COUNTY, MONTANA

PREPARED FOR: BRAXTON DEVELOPMENT LLC

PROJECT NAME: ICON APARTMENT HOMES AT DOUGHERTY RANCH

PROJECT NO.: 21002675

SHEET: D4 OF D4

SHEET TITLE: UTILITY CONSTRUCTION PLANS DETAIL SHEET

STAGE 2

DRWG LOCATION: G:\2021\21002675\CONSTRUCTION\PLANS\BRAXTON\1817SOUTHAVE\WATER\WATER\WATER-21002675.DWG