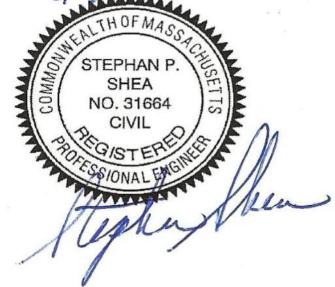
SPRINGFIELD WATER AND SEWER COMMISSION

NORTH BRANCH SEWER INTERCEPTOR REHABILITATION

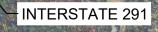








SWSC PROJECT NO. 25-08 MARCH 2025



PROJECT LOCATION -

ST.MICHAEL'S CEMETERY

LAKE LOOKOUT

WILBRAHAM ROAD

LOCUS PLAN SCALE: 1" = 500'

SHEET LIST

GENERAL

| G-1 | COVER SHEET |
|-------|-------------------------------|
| G-2 | NOTES AND LEGEND |
| G-3 | KEY PLAN |
| | |
| CIVIL | |
| C-1 | SEWER REHABILITATION PLAN I |
| C-2 | SEWER REHABILITATION PLAN II |
| C-3 | SEWER REHABILITATION PLAN III |
| C-4 | CONSTRUCTION DETAILS I |
| C-5 | CONSTRUCTION DETAILS II |
| C-6 | EROSION CONTROL DETAILS |
| C-7 | ROADWAY GRADING PLAN I |
| C-8 | ROADWAY GRADING PLAN II |



SPRINGFIELD WATER AND SEWER COMMISSION

COMMISSIONERS:

DANIEL RODRIGUEZ, CHAIRMAN VANESSA OTERO MATTHEW DONNELLAN

EXECUTIVE DIRECTOR:

JOSHUA SCHIMMEL

| 1. | THE CONTRACTOR SHALL COMPLY WITH THE ACCESS AGREEMENT LIMITS OF WORK AND DISTURBANCE INCLUDED IN THE PROJECT MANUAL. |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. | THE CONTRACTOR SHALL COMPLY WITH THE SPRINGFIELD WATER AND SEWER COMMISSION'S RULES AND REGULATIONS, GUIDELINES AND POLICIES, AND MATERIAL SPECIFICATIONS. |
| 3. | THE CONTRACTOR SHALL COMPLY WITH THE CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION MANUAL FOR OCCUPANCY OF PUBLIC AND PRIVATE WAYS WITHIN THE CITY OF SPRINGFIELD DATED JUNE 5, 2017. |
| 4. | THE CONTRACTOR SHALL NOT BE PERMITTED TO START-UP OR OPERATE EQUIPMENT BEFORE OR AFTER ESTABLISHED WORKING HOURS OF 7:00 AM TO 4:00 PM, MONDAY THROUGH FRIDAY WITHOUT WRITTEN APPROVAL OF THE OWNER, UNLESS NOTED OTHERWISE. THE CONTRACTOR MAY SUBMIT REQUESTS FOR WORK HOUR EXCEPTIONS OR EXTENSIONS TO THE OWNER FOR REVIEW AND APPROVAL. IF THE CONTRACTOR ANTICIPATES LINER CURE TIMES TO EXTEND BEYOND THE SPECIFIED WORKING HOURS, CONTRACTOR SHALL COORDINATE SCHEDULE WITH OWNER. |
| 5. | ALL CONTRACTOR PROJECT SCHEDULES SHALL BE SHARED WITH THE OWNER AND ENGINEER AND SHALL BE FORWARDED TO THE SPRINGFIELD DPW / CITY OF SPRINGFIELD. |
| 6. | CONTRACT DOCUMENTS, INCLUDING PLANS AND SPECIFICATIONS, SHALL BE AVAILABLE ON SITE AT ALL TIMES. |
| 7. | CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXISTING FIELD CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING DATUM CONVERSIONS USING ACCEPTABLE INDUSTRY STANDARDS. |
| 8. | PRIOR TO BEGINNING WORK THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS INFORMATION AND REPORT ANY DISCREPANCIES BETWEEN THE PLANS AND THE ACTUAL CONDITIONS TO THE ENGINEER. |
| 9. | THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL PERMITTING PRECONDITIONS, INCLUDING EROSION AND SEDIMENT CONTROL DEVICES SPECIFIED AND AS REQUIRED BY PERMIT, AND SHALL NOT COMMENCE CONSTRUCTION UNTIL THESE MEASURES HAVE BEEN APPROVED BY THE ENGINEER. |
| 10. | CONTRACTOR IS RESPONSIBLE FOR OBTAINING STREET OCCUPANCY, STREET OPENING, AND TRENCH PERMITS FROM THE CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS ENGINEERING DIVISION BEFORE CONSTRUCTION. THE CONTRACTOR SHALL NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, AND FIRE HYDRANTS, OR EXCAVATE WITHOUT APPLICABLE PERMITS. THE CONTRACTOR SHALL NOT CLOSE ANY ROADWAY OR APPROACH TO AN INTERSECTION AT ANY TIME WITHOUT OWNER AND CITY OF SPRINGFIELD DEPARTMENT OF PUBLIC WORKS APPROVAL. IF THE CONTRACTOR ANTICIPATES LINER CURE TIMES TO EXTEND BEYOND THE SPECIFIED WORKING HOURS. CONTRACTOR SHALL COORDINATE SCHEDULE WITH OWNER. |
| 11. | THE CONTRACTOR SHALL TEMPORARILY MATCH EXISTING GRADES AND CONDITIONS WITHIN THE CONSTRUCTION AREA UNT FINAL RESTORATION IS COMPLETE. |
| 12. | UNLESS OTHERWISE INDICATED ON THE DRAWINGS ALL AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION WHICH ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT NO ADDITIONAL COST TO THE OWNER. |
| 13. | THE CONTRACTOR SHALL PROTECT ALL TRAVELED WAYS FROM DUST AND CONSTRUCTION DEBRIS AT ALL TIMES. CALCIUM CHLORIDE / WATER FOR DUST CONTROL SHALL BE AVAILABLE AT ALL TIMES. THE CONTRACTOR SHALL ADDRESS ANY ISSUES RELATED TO DUST AND CONSTRUCTION DEBRIS WITHIN A 24-HR PERIOD. |
| 14. | THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THE MAINTENANCE OF SAFETY AND TRAFFIC ON THE PUBLIC AND PRIVATE WAYS AFFECTED BY THE CONSTRUCTION OF THIS PROJECT DURING WORKING AND NON-WORKING HOURS. |
| 15. | ALL PUBLIC AND PRIVATE UTILITY COMPANIES, INCLUDING THE SPRINGFIELD WATER AND SEWER COMMISSION (SWSC) AND THOSE IN CONTROL OF UTILITIES NOT SHOWN ON PLANS, MUST BE NOTIFIED, (SEE CHAPTER 370, ACTS OF 1963, MASSACHUSETTS) PRIOR TO FIELD DESIGNING, EXCAVATING, INSTALLING, BACKFILLING, GRADING, PAVEMENT RESTORING O REPAVING. |
| 16. | WHERE TEMPORARY OR PERMANENT UTILITY RELOCATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE AFFECTED UTILITY COMPANY 30 DAYS IN ADVANCE OF CONSTRUCTION AND SHALL COORDINATE THE NEW WORK WITH THE UTILITY RELOCATION. |
| 17. | THE CONTRACTOR SHALL PREMARK THE EXCAVATION AREA IN WHITE AND NOTIFY THE DIG SAFE CENTER (TEL. NO. 811) AT LEAST THREE BUSINESS DAYS PRIOR TO ANY EXCAVATION WORK. IN ADDITION, NOTIFICATION SHALL ALSO BE GIVEN TO ALL AFFECTED PRIVATE AND/OR PUBLIC UTILITIES, INCLUDING THE SPRINGFIELD WATER AND SEWER COMMISSION, TO PERMIT STREET MARKING OF THEIR LINES. |
| 18. | WHERE EXISTING GAS, ELECTRIC, AND TELECOM UTILITIES CROSS THE PROPOSED TRENCH LIMITS, CONTRACTOR SHALL COORDINATE WITH THE UTILITY OWNER TO SUPPORT AND BE RESPONSIBLE FOR COSTS AND FEES. CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPORTING THE EXISTING UTILITY IN ACCORDANCE WITH THE UTILITY OWNER'S REQUIREMENTS. |
| 19. | INTERRUPTIONS OF SERVICES SHALL NOT BE PERMITTED. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITIES AND PROVIDE ALL TEMPORARY UTILITIES AND CONNECTIONS TO AVOID INTERRUPTIONS OF WATER, SANITARY, DRAINAGE, ELECTRIC, TELEPHONE, GAS, FIBEROPTICS, AND CABLE SERVICES. |
| 20. | THE CONTRACTOR MAY BE ASKED BY THE OWNER TO SUSPEND CONSTRUCTION OPERATIONS TEMPORARILY TO AVOID CONFLICTS WITH LARGE PUBLIC EVENTS OR LARGE STORM EVENTS. THE CONTRACTOR SHALL NOT BE COMPENSATED FOR COST RELATING TO SHUTDOWNS FOR THESE REASONS. REFER TO SECTION 01313-CONSTRUCTION AND SCHEDULE CONSTRAINTS. |
| 21. | DEMOLITION, MODIFICATION AND ABANDONMENT SHALL BE IN ACCORDANCE WITH SECTION 02051-DEMOLITION, MODIFICATION AND ABANDONMENT. |
| 22. | THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL DEMOLISHED MATERIALS, RUBBISH, EXCAVATED MATERIAL AND DEBRIS, UNLESS OTHERWISE NOTED, AND IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PAYING FOR ALL DISPOSAL PERMITS AT NO ADDITIONAL COST TO THE OWNER. |
| 23. | DEWATERING MAY BE REQUIRED DURING CONSTRUCTION. THE CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OF SECTION 02210-EARTH, EXCAVATION, BACKFILL, FILL, AND GRADING, SECTION 01500-TEMPORARY FACILITIES AND CONTROLS SECTION 02140-DEWATERING AND DRAINAGE, AND ALL PERMITS. THE CONTRACTOR SHALL SUBMIT DEWATERING PLANS TO THE ENGINEER FOR APPROVAL AS SPECIFIED. |
| 24. | EACH LAYER OF FILL AND BACKFILL SHALL BE PLACED AND COMPACTED IN ACCORDANCE WITH SPECIFICATION 02210 - EARTI EXCAVATION, BACKFILL, COMPACTION, AND GRADING. |
| 25. | ALL MATERIAL THICKNESSES NOTED ON THE DRAWINGS REFER TO DEPTH AFTER COMPACTION, UNLESS OTHERWISE NOTED |
| 26. | CONTRACTOR TO REUSE EXISTING EXCAVATED MATERIAL AS BACKFILL TO THE MAXIMUM EXTENT FEASIBLE. CONTRACTOR SHALL INSTALL AND MAINTAIN TEMPORARY BYPASS PIPING OR UTILITIES AS NEEDED TO MAINTAIN EXISTING DRAINAGE FLOWS, SANITARY SEWAGE FLOWS, POTABLE WATER SERVICE, GAS SERVICE, ELECTRIC SERVICE AND ANY OTHEI UTILITY SERVICE THROUGHOUT EACH OF THE AFFECTED SYSTEMS DURING CONSTRUCTION IN ACCORDANCE WITH THE |
| 27. | CONTRACT DOCUMENTS. CONTRACTOR SHALL LIMIT THE NUMBER OF MANHOLES USED FOR CIPP INVERSION TO 6 OF THE 8 IDENTIFIED ON THE PLANS AS "POTENTIAL CIPP INVERSION LOCATION". |
| | AS "POTENTIAL CIPP INVERSION LOCATION". |
| | |

SUPPORT OF EXCAVATION NOTES

1. SUPPORT OF EXCAVATION DESIGN SHALL BE A DELEGATED DESIGN BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF SPECIFICATION SECTION 02160.

2. LEFT IN PLACE SUPPORT OF EXCAVATION SHALL BE CUT TO AT LEAST 5 FEET BELOW GRADE AND ABANDONED IN ACCORDANCE WITH SPECIFICATION SECTION 02160. ANY PROPOSED LEFT IN PLACE SUPPORT OF EXCAVATION SHALL BE REVIEWED AND APPROVED BY SPRINGFIELD DPW.

3. CONTRACTOR TO ADHERE TO CURRENT OSHA SAFETY REGULATIONS THROUGHOUT CONSTRUCTION.

4. CONTRACTOR SHALL CONFORM TO THE GENERAL NOTES, CONSTRUCTION SEQUENCE AND PROCEDURES AND ALL OTHER REQUIREMENTS OF THESE DESIGN DOCUMENTS UNLESS OTHERWISE APPROVED BY ENGINEER.

SUB NOTE:

COORDINATE SUPPORT OF EXCAVATION WITH DEWATERING AND GEOTECHNICAL INSTRUMENTATION. DO NOT START ANY INSTALLATION OF SUPPORT OF EXCAVATION AND EXCAVATION WORK UNTIL ALL SUPPORT OF EXCAVATION AND DEWATERING SUBMITTALS HAVE BEEN REVIEWED AND APPROVED BY THE ENGINEER. PERFORM INSTALLATION OF SUPPORT OF EXCAVATION AND DEWATERING SYSTEM IN ACCORDANCE WITH THE APPROVED CALCULATIONS AND SHOP DRAWINGS. ALL TEMPORARY EARTH RETENTION / DEWATERING SYSTEMS (WITHIN STREETS) SHALL BE REVIEWED AND APPROVED BY SPRINGFIELD DPW PRIOR TO APPROVAL BY ENGINEER.

DEWATERING:

1. DEWATERING SHALL BE A DELEGATED DESIGN BY THE CONTRACTOR IN ACCORDNANCE WITH THE REQUIREMENTS OF SPECIFICATION SECTION 02140.

2. CONTRACTOR SHALL APPLY FOR AND OBTAIN ALL DEWATERING PERMITS REQUIRED. DEWATERING WATER SHALL BE DISCHARGED IN COMPLIANCE WITH THE OBTAINED PERMITS FOR THE WORK AND ALL LOCAL, STATE AND FEDERAL REGULATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ASSOCIATED WATER TESTING.

SURVEY NOTES

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS AND TOPOGRAPHY AROUND THE NORTH BRANCH SEWER LINE FROM RIVERTON ROAD TO WILBRAHAM RD. THIS PLAN WAS PREPARED FROM AN AERIAL SURVEY PERFORMED IN SEPTEMBER 2024, AND SUPPLEMENTED BY AN ACTUAL ON THE GROUND FIELD SURVEY CONDUCTED BY WSP USA INC. IN SEPTEMBER OF 2024.

2. THE HORIZONTAL DATUM SHOWN HEREON IS REFERENCED TO THE NORTH AMERICAN DATUM OF 1983, MASSACHUSETTS STATE PLANE MAINLAND COORDINATE SYSTEM AND WAS ESTABLISHED UTILIZING RTK GPS SURVEY TECHNIQUES.

3. THE VERTICAL DATUM SHOWN HEREON IS REFERENCED TO NAVD88 AND WAS ESTABLISHED ON SITE UTILIZING RTK GPS SURVEY TECHNIQUES.

4. THE SURVEYED PROPERTY IS SUBJECT BUT NOT LIMITED TO THE INFORMATION SHOWN HEREON. ALL INFORMATION THAT MAY AFFECT THE QUALITY OF THE TITLE TO BOTH THE SUBJECT AND ADJOINING PARCELS SHOULD BE VERIFIED BY AN ACCURATE AND CURRENT TITLE REPORT. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT.

5. THE UNDERGROUND UTILITY INFORMATION SHOWN HEREON LABELED WITH AN (R) ARE FROM RECORD DOCUMENTS. ADDITIONAL FIELD INVESTIGATION WILL BE REQUIRED BY OTHERS TO DETERMINE THE ACTUAL PIPE SIZE(S) AND TYPE(S).

6. THE WETLAND RESOURCE AREAS SHOWN HEREON WERE FLAGGED BY KLEINFELDER IN AUGUST 2024 AND FIELD LOCATED BY WSP USA INC. IN SEPTEMBER OF 2024.

LEGEND

| S | SEWER MANHOLE | α | TRAFFIC LIGHT |
|--------|------------------------------|---------------|-----------------------|
| CMP | CORRUGATED METAL PIPE | | SIGN (SINGLE POSTED) |
| PVC | PLASTIC PIPE | $^{\odot}$ | UNKNOWN MANHOLE |
| VCTP | VITRIFIED CLAY TILE PIPE | Ø | UTILITY POLE |
| DI | DUCTILE IRON | 0 | POST |
| UNK | UNKNOWN | ▦ | CATCH BASIN |
| DBYL | DOUBLE YELLOW LINE | × | CONIFEROUS TREE |
| EOP | EDGE OF PAVEMENT | - C | DECIDUOUS TREE |
| EOW | EDGE OF WATER | ¢ | LIGHT POLE |
| ADS | ADVANCED DRAINAGE SYSTEM | IS | |
| SMH | SEWER MANHOLE | | |
| B∨W | BORDERING VEGETATED WETL | AND | |
| RFA | RIVERFRONT AREA | | |
| RCP | REINFORCED CONCRETE PIPE | | |
| ROW | RIGHT OF WAY | | |
| CIPP | CURED IN PLACE PIPELINING | | |
| PROP. | PROPOSED | | |
| EXIST. | EXISTING | | |
| LF | LINEAR FEET | | |
| | | | ABUTTERS LOT LINE |
| | | | EDGE OF WATER |
| | — x x x x x x x x | X— | FENCE |
| | <u> </u> | • | GUARDRAIL |
| | 0000000000 | \mathcal{T} | SHRUB LINE |
| | | <u>.</u> | TREE LINE |
| | 170 | | INTERMEDIATE CONTOURS |
| | X | | INDEX CONTOURS |
| | WF# · | | WETLAND LIMIT |

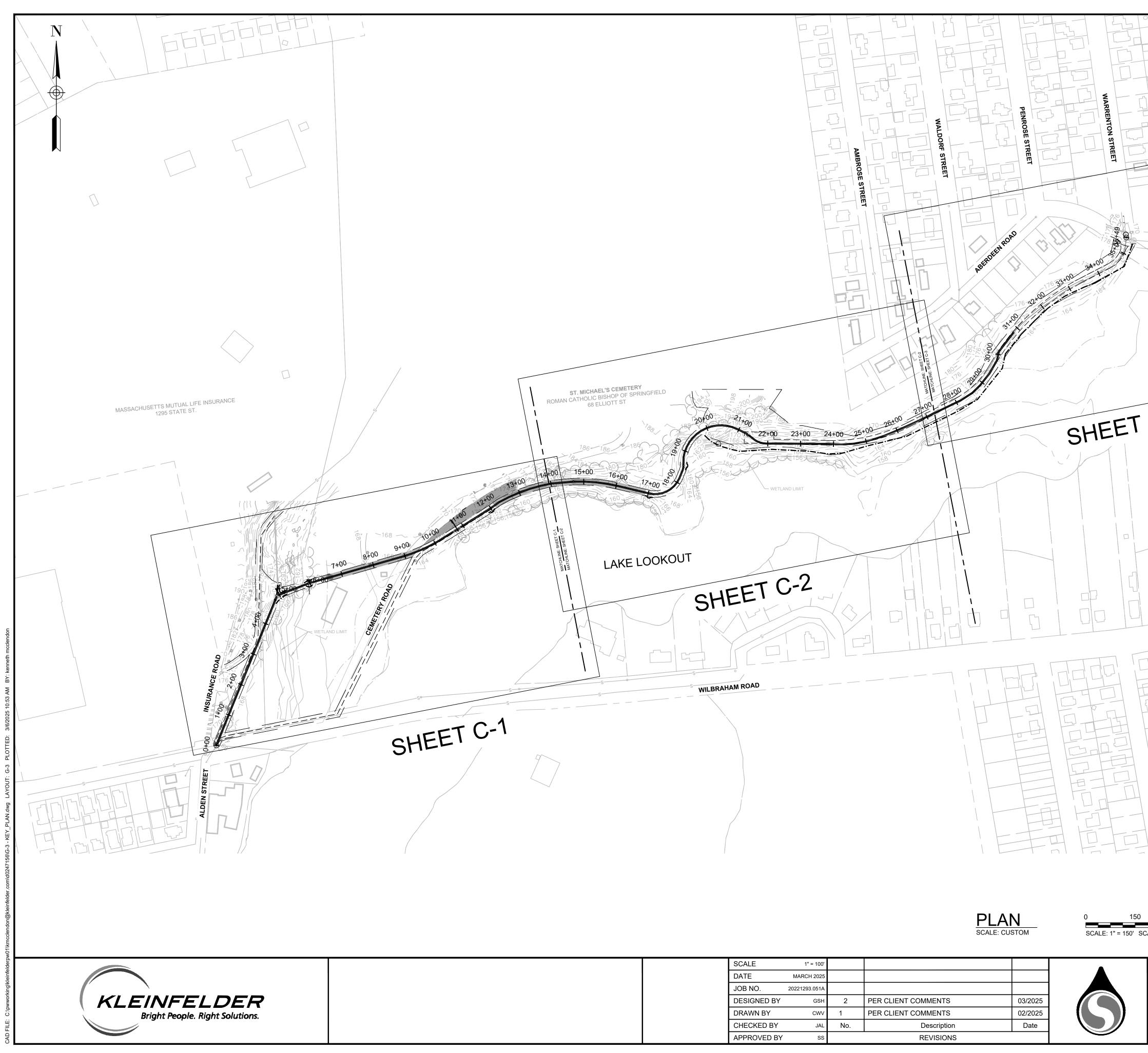
_____ LIMITS OF WORK ---- LIMITS OF ACCESS ROAD ---- LIMITS OF GRADING

OURS WEILAND LIMI ______S_____UNDERGROUND SEWER LINE ----- EROSION CONTROL

| | SCALE | AS NOTED | | | | |
|--|-------------|---------------|-----|---------------------|---------|--|
| | DATE | MARCH 2025 | | | | |
| | JOB NO. | 20221293.051A | | | | |
| | DESIGNED BY | GSH | 2 | PER CLIENT COMMENTS | 03/2025 | |
| | DRAWN BY | CWV | 1 | PER CLIENT COMMENTS | 02/2025 | |
| | CHECKED BY | JAL | No. | Description | Date | |
| | APPROVED BY | SS | | REVISIONS | | |

SPRINGFIELD WATER AND SEWER COMMISSION Client Sheet SWSC PROJECT NO. 25-08 Project NORTH BRANCH SEWER INTERCEPTOR G-2 REHABILITATION NOTES AND LEGEND Drawing

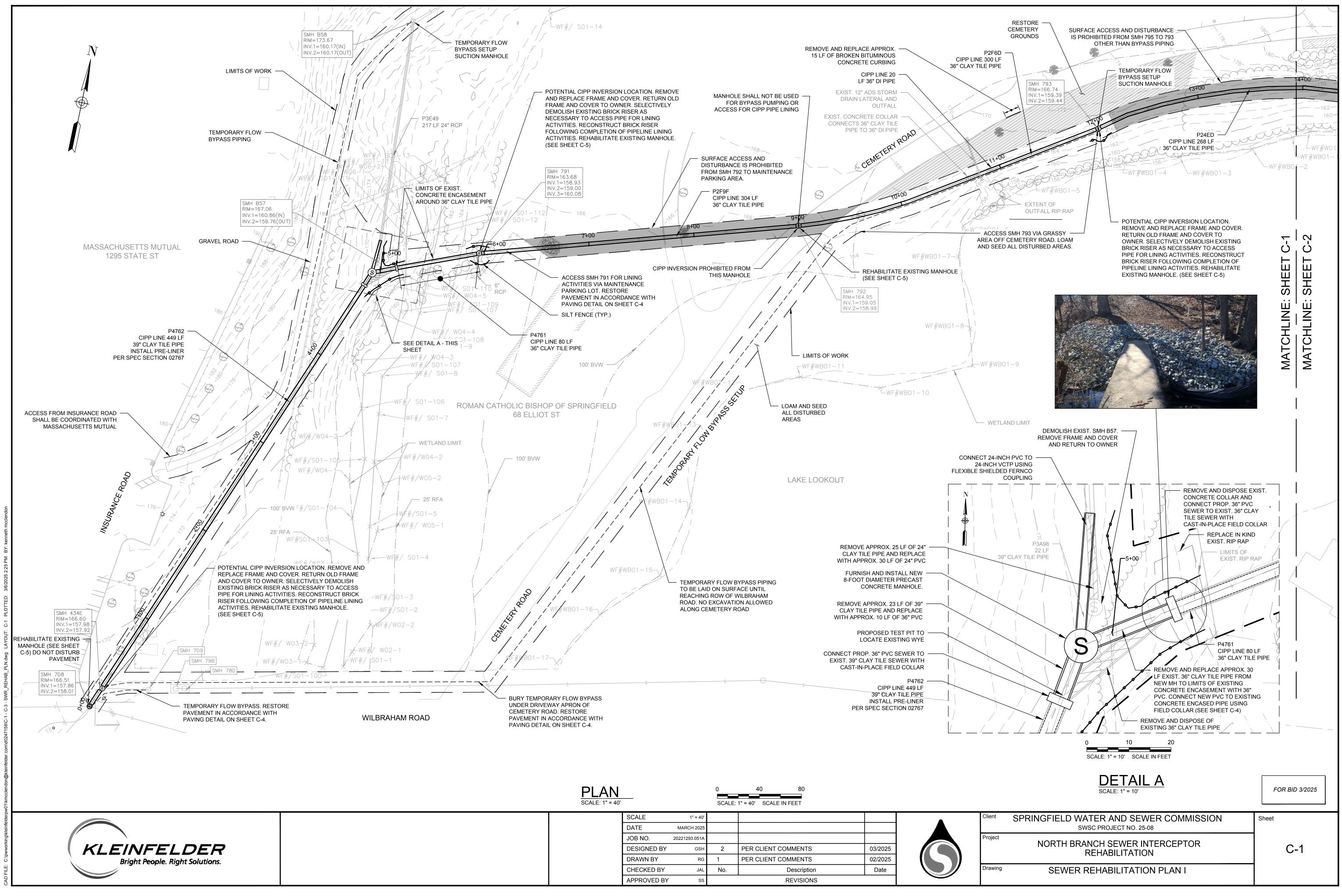
FOR BID 3/2025



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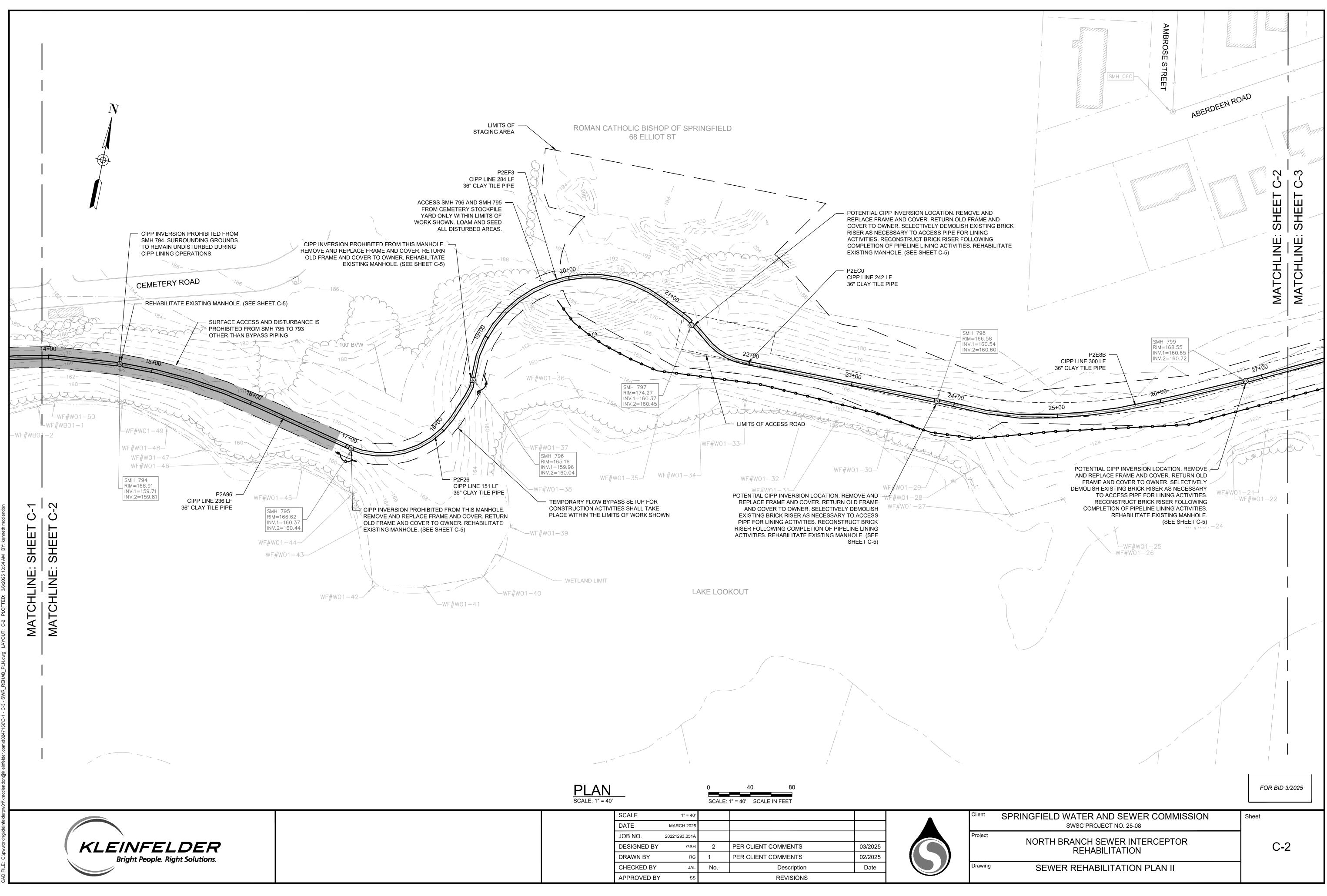
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|--|-------------|---------------|-----|---------------------|---------|--|
| | DATE | MARCH 2025 | | | | |
| | JOB NO. | 20221293.051A | | | | |
| | DESIGNED BY | GSH | 2 | PER CLIENT COMMENTS | 03/2025 | |
| | DRAWN BY | CWV | 1 | PER CLIENT COMMENTS | 02/2025 | |
| | CHECKED BY | JAL | No. | Description | Date | |
| | APPROVED BY | SS | | REVISIONS | | |

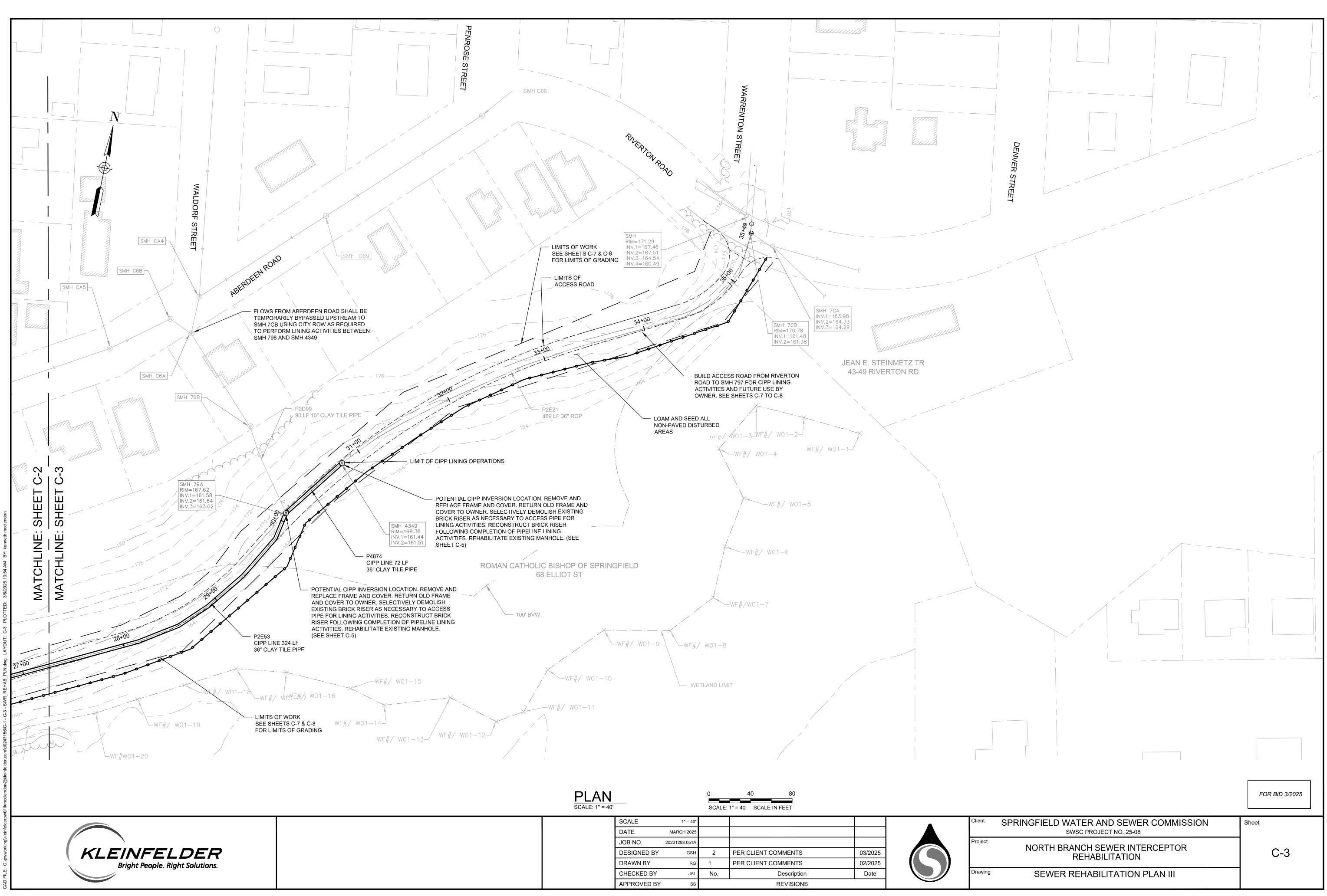
| LAURELTON STREET DENVER STREET RIVERTON ROAD | |
|---------------------------------------------------------------|----------------|
| JEAN E. STEINMETZ TR 43-49 RIVERTON RD | |
| | |
| Client SPRINGFIELD WATER AND SEWER COMMISSION | FOR BID 3/2025 |
| SWSC PROJECT NO. 25-08 Project NORTH BRANCH SEWER INTERCEPTOR | G-3 |
| Drawing KEY PLAN | |



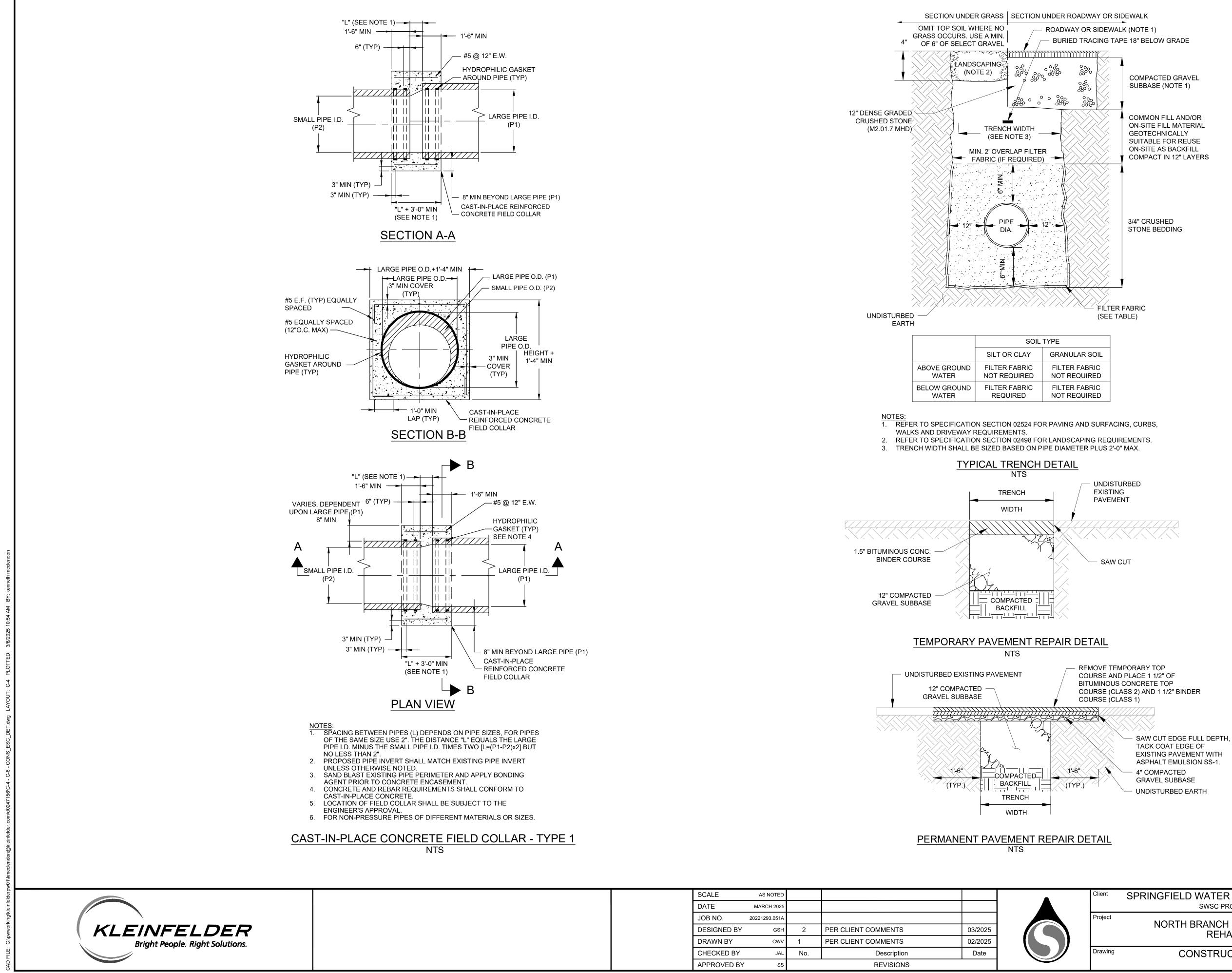
| 0 | 40 | 80 |
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| | | |
| | | |

| SCALE: 1" = 40" | | | SCALE: | $1^{"} = 40^{\circ}$ SCALE IN FEET | | |
|-----------------|-------------|---------------|--------|------------------------------------|---------|---|
| | SCALE | 1" = 40' | | | | • |
| | DATE | MARCH 2025 | | | | |
| | JOB NO. | 20221293.051A | | | | |
| | DESIGNED BY | GSH | 2 | PER CLIENT COMMENTS | 03/2025 | |
| | DRAWN BY | RG | 1 | PER CLIENT COMMENTS | 02/2025 | |
| | CHECKED BY | JAL | No. | Description | Date | |
| | APPROVED BY | SS | | REVISIONS | | |
| | | | | | | |

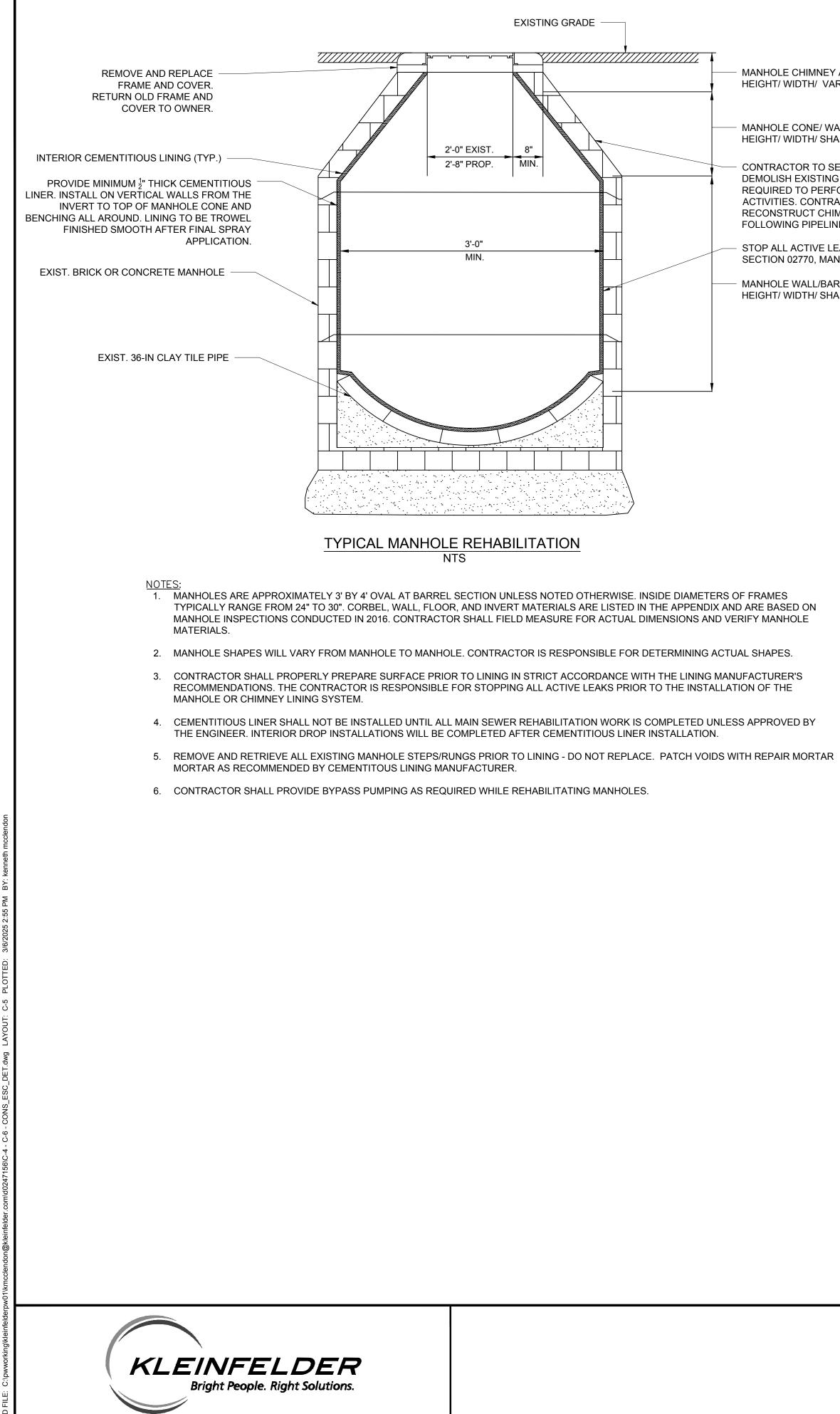




| | | | OUNCE. | | | |
|---|-------------|---------------|--------|---------------------|---------|--|
| | SCALE | 1" = 40' | | | | |
| | DATE | MARCH 2025 | | | | |
| [| JOB NO. | 20221293.051A | | | | |
| | DESIGNED BY | GSH | 2 | PER CLIENT COMMENTS | 03/2025 | |
| | DRAWN BY | RG | 1 | PER CLIENT COMMENTS | 02/2025 | |
| | CHECKED BY | JAL | No. | Description | Date | |
| | APPROVED BY | SS | | REVISIONS | | |
| | | | | | | |



FOR BID 3/2025 SPRINGFIELD WATER AND SEWER COMMISSION Sheet SWSC PROJECT NO. 25-08 NORTH BRANCH SEWER INTERCEPTOR C-4 REHABILITATION CONSTRUCTION DETAILS I



SCALE AS NOTE DATE MARCH 2028 JOB NO. 20221293.051A PER CLIENT COMMENTS DESIGNED BY 03/2025 GSH 2 PER CLIENT COMMENTS 02/2025 DRAWN BY CWV CHECKED BY Description Date No. APPROVED BY REVISIONS

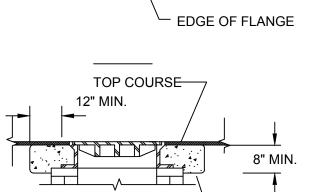
RAISING CASTINGS DETAIL NTS

1. ANY CASTING RAISED DURING CONSTRUCTION SHALL BE PAINTED WITH PINK PAINT.

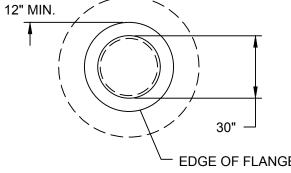
NOTES:

SECTION

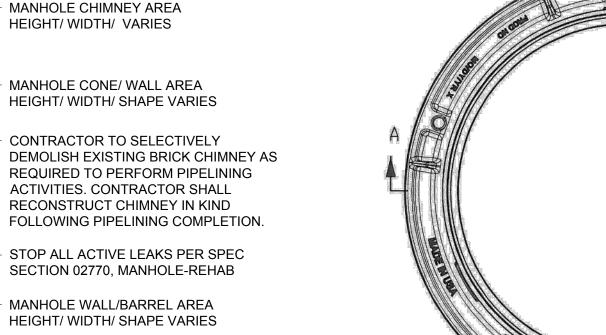
MANHOLES

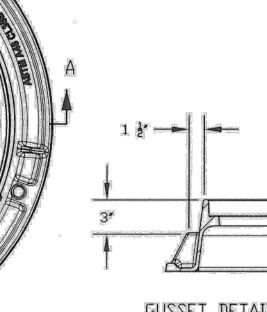


- CLASS A CONCRETE



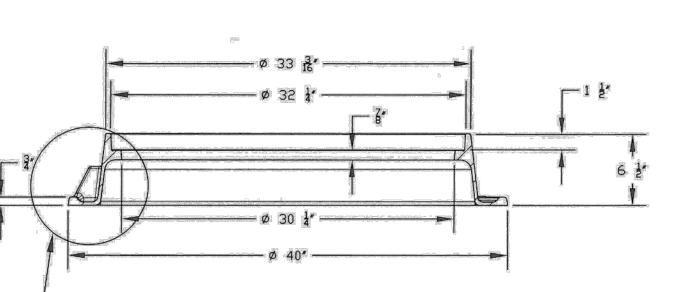






GUSSET DETAIL

- (4) 1" HANDLING HOLE ON A 36" DIA B.C.

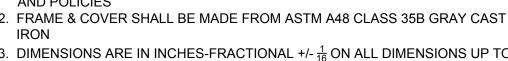


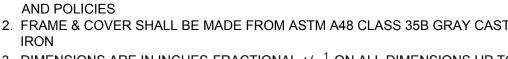
GUSSET DETAIL SECTION A-A 32-INCH BY 6-INCH FRAME ONLY

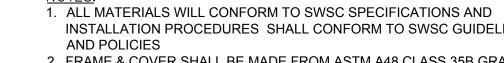
NTS

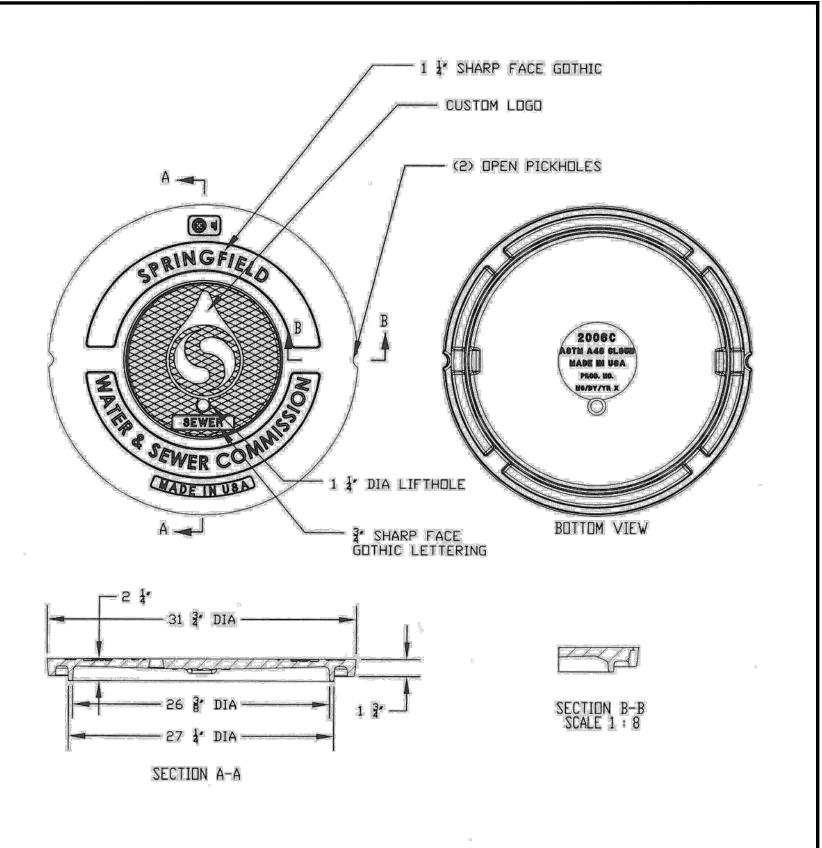
- NOTES:
- INSTALLATION PROCEDURES SHALL CONFORM TO SWSC GUIDELINES AND POLICIES
- IRON

- 2. FRAME & COVER SHALL BE MADE FROM ASTM A48 CLASS 35B GRAY CAST 3. DIMENSIONS ARE IN INCHES-FRACTIONAL +/- $\frac{1}{16}$ ON ALL DIMENSIONS UP TO 12' AND AN ADDITIONAL +/- 16 " PER FOOT









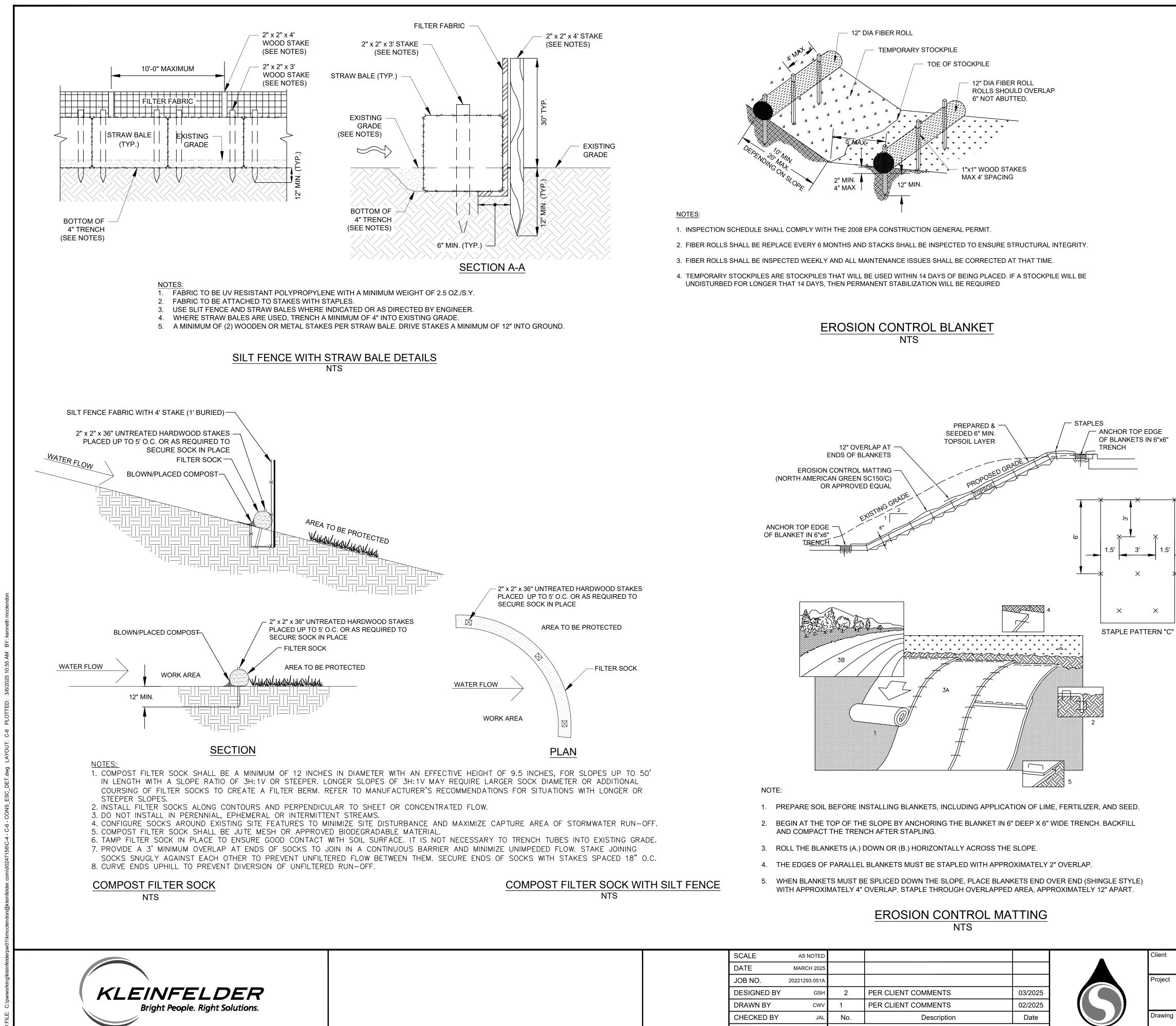
32-INCH STANDARD SEWER COVER NTS

NOTES:

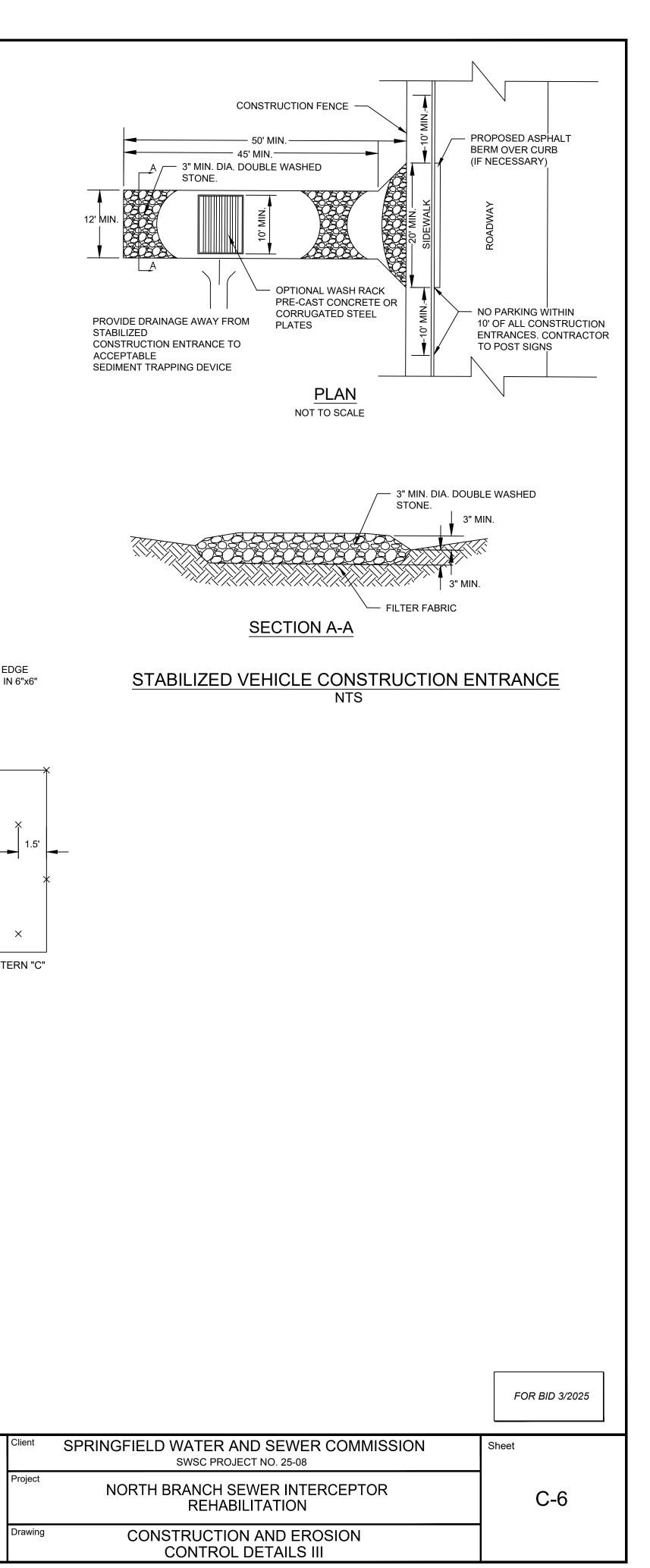
- 1. ALL MATERIALS WILL CONFORM TO SWSC SPECIFICATIONS AND INSTALLATION PROCEDURES SHALL CONFORM TO SWSC GUIDELINES AND POLICIES.
- 2. FRAME & COVER SHALL BE MADE FROM ASTM A48 CLASS 35B GRAY CAST IRON.
- 3. DIMENSIONS ARE IN INCHES-FRACTIONAL +/- $\frac{1}{16}$ ON ALL DIMENSIONS UP TO 12" AND AN ADDITIONAL +/- 16" PER FOOT.

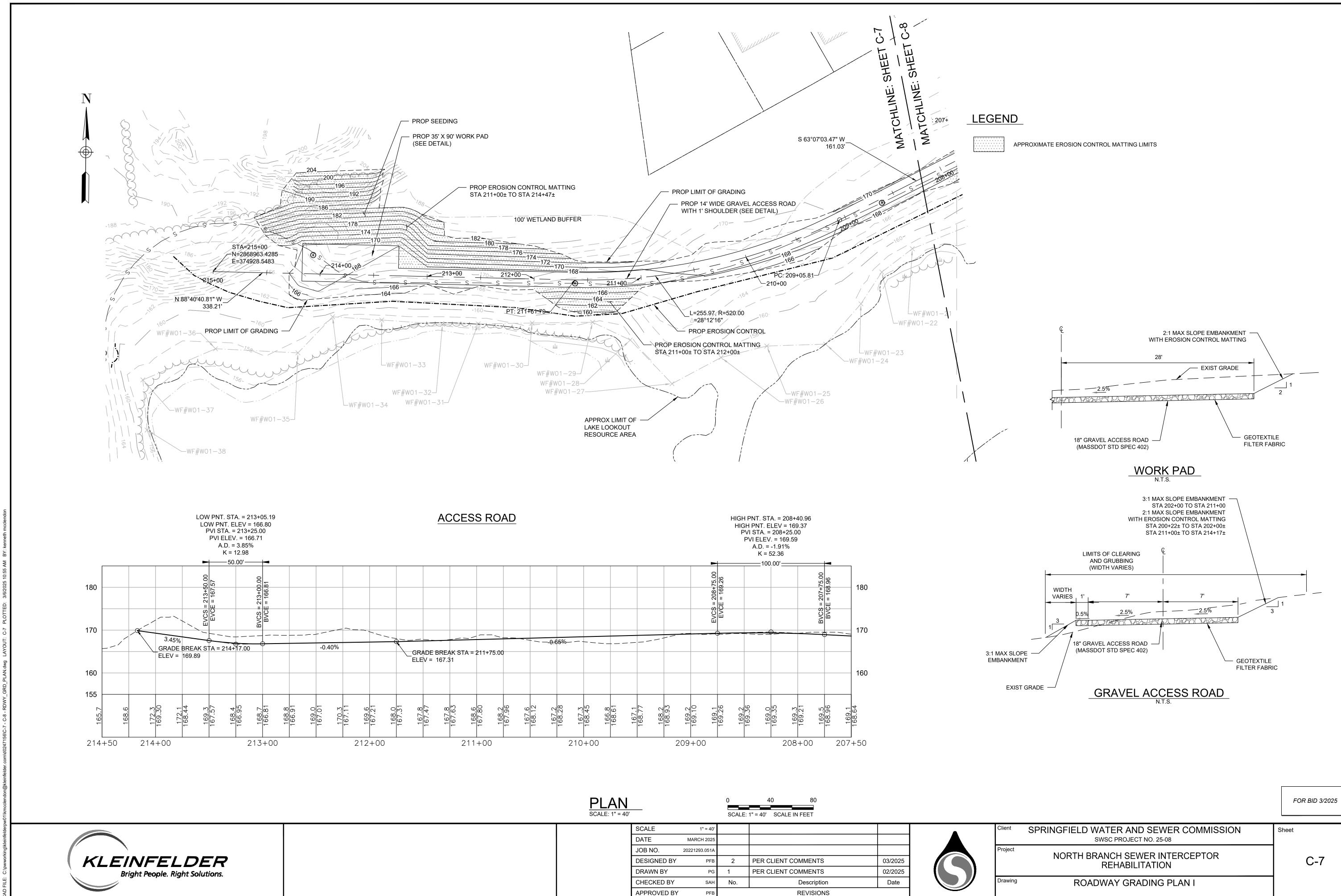
| Client | SPRINGFIELD WATER AND SEWER COMMISSION SWSC PROJECT NO. 25-08 | Sheet |
|---------|------------------------------------------------------------------|-------|
| Project | NORTH BRANCH SEWER INTERCEPTOR REHABILITATION | C-5 |
| Drawing | CONSTRUCTION DETAILS II | |

FOR BID 3/2025



| SCALE AS NOTED | · · · · · |
|-----------------------------------------------|-----------|
| | |
| DATE MARCH 2025 | |
| JOB NO. 20221293.051A | ſ |
| DESIGNED BY GSH 2 PER CLIENT COMMENTS 03/2025 | |
| DRAWN BY CWV 1 PER CLIENT COMMENTS 02/2025 | |
| CHECKED BY JAL No. Description Date | |
| APPROVED BY ss REVISIONS | |

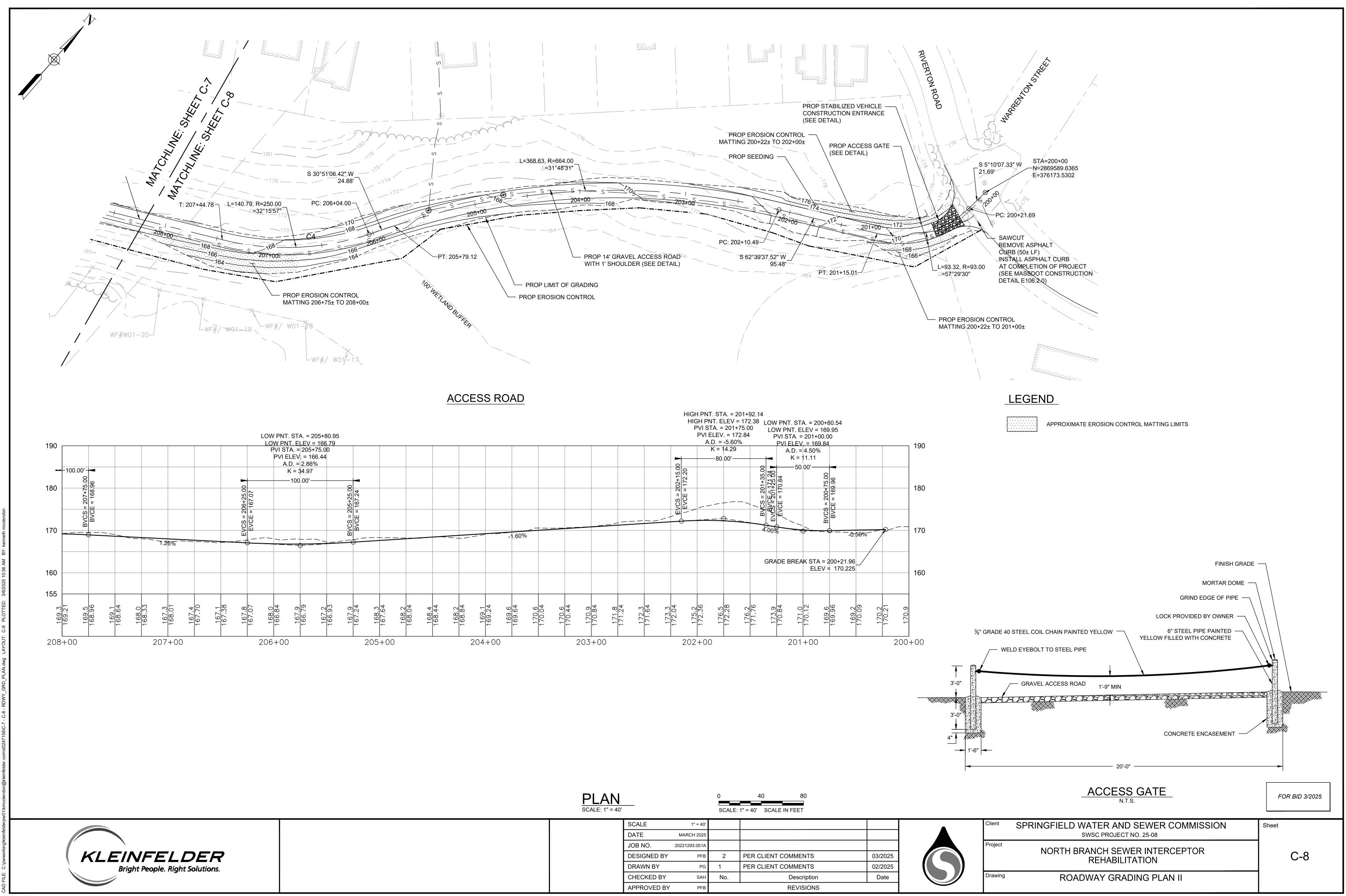




| | SCA | LE: | 1" = | 40' | SCALE | IN FEET |
|-------|-----|-----|------|-----|-------|---------|
| = 40' | | | | | | |

| SCALE | 1" = 40' | | | | (|
|-------------|---------------|-----|---------------------|---------|---|
| DATE | MARCH 2025 | | | | |
| JOB NO. | 20221293.051A | | | | F |
| DESIGNED BY | PFB | 2 | PER CLIENT COMMENTS | 03/2025 | |
| DRAWN BY | PG | 1 | PER CLIENT COMMENTS | 02/2025 | |
| CHECKED BY | SAH | No. | Description | Date | [|
| APPROVED BY | PFB | | REVISIONS | | |
| | | | | | 1 |

| Client | SPRINGFIELD WATER AND SEWER COMMISSION SWSC PROJECT NO. 25-08 | Sheet |
|---------|------------------------------------------------------------------|-------|
| Project | NORTH BRANCH SEWER INTERCEPTOR REHABILITATION | C-7 |
| Drawing | ROADWAY GRADING PLAN I | |



| Ρ | LAN |
|-----|---------|
| SCA | I = 40' |

| 0 | | | OUNCE. | | | |
|---|-------------|---------------|-----------|---------------------|---------|--|
| | SCALE | 1" = 40' | | | | |
| | DATE | MARCH 2025 | | | | |
| | JOB NO. | 20221293.051A | | | | |
| | DESIGNED BY | PFB | 2 | PER CLIENT COMMENTS | 03/2025 | |
| | DRAWN BY | PG | 1 | PER CLIENT COMMENTS | 02/2025 | |
| | CHECKED BY | SAH | No. | Description | Date | |
| | APPROVED BY | PFB | REVISIONS | | | |
| | | | | | | |