SUMMARY OF WORKS

- 1. REPLACE EXISTING DETERIORATED TRENCH DRAIN GRATINGS WITH NEW STEEL GRATINGS.
- 2. INSTALL NEW TRENCH DRAIN GRATINGS WITH NEW STEEL GRATINGS.
- 3. INSTALL WATERPROOFING BEHIND RAMP FACE BRICK WALL.
- 4. REPLACE EXIST. FACE BRICK MASONRY WALL WITH NEW AS SHOWN IN DETAILS.
- 5. REMOVE EXISTING DETERIORATED CAULKING AND INSTALL NEW AT LOCATIONS INDICATED ON DRAWINGS.

GENERAL NOTES

- 4. DESIGN IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2014 NEW YORK CITY BUILDING CODE.
- 5. STRUCTURAL MEMBERS LOCATION, SIZES AND SHAPES SHOWN ON DRAWINGS ARE FOR ILLUSTRATION AND INFORMATION PURPOSE ONLY, CONTRACTOR TO FIELD VERIFY THE EXISTING CONDITIONS.
- 6. IF EXISTING CONDITIONS ARE FOUND TO BE DIFFERENT IN FIELD THAN SHOWN ON DRAWINGS, CONTRACTOR TO NOTIFY EOR AND PROJECT OFFICER IMMEDIATELY.
- 7. CONTRACTOR TO SUBMIT SHOP DRAWINGS OF SUPPORT SYSTEM WITH STRUCTURAL CALCULATION PREPARED, SIGNED AND SEALED BY A NYS PROFESSIONAL ENGINEER FOR EOR'S APPROVAL BEFORE THE COMMENCEMENT OF WORK.
- 8. PROVIDE PRODUCT DATA SUBMITTALS FOR ALL PROPOSED PRODUCTS FOR EOR'S REVIEW BEFORE THE COMMENCEMENT OF WORK.
- 9. ANY DAMAGE INCURRED ON ADJOINING/ ADJACENT MATERIALS DURING WORK SHALL BE REPLACED BY THE CONTRACTOR IN KIND AT HIS OWN COST.
- 10. ALL NEW WORK SHALL COMPLY WITH THE APPLICABLE BUILDING / CONSTRUCTION CODES.

SITE WORK NOTES

- 1. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ADJOINING PROPERTY DURING CONSTRUCTION OR DEMOLITION, AS PER BC 3309.
- 2. THE CONTRACTOR SHALL CONFORM TO SAFETY REQUIREMENTS DURING EXCAVATION AND COMPLY WITH SECTION BC 3304 OF THE 2014 NYC BUILDING CODE.

EXIST. SITE CONDITIONS

- 1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS IN THE FIELD PRIOR TO COMMENCING WORK.
- 2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CATALOGUE CUTS FOR APPROVAL PRIOR TO COMMENCING WORK.
- 3. THE CONTRACTOR SHALL MAINTAIN AND KEEP CLEAR ALL ACCESS TO AND EGRESS FROM THE WORK SITE. STORING AND PILING OF RUBBLE AND CONSTRUCTION WASTE IS PROHIBITED.
- 4. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN WORKING ADJACENT TO ACTIVE POWER AND COMMUNICATION LINES (IF ANY) TO PREVENT DAMAGE TO THESE LINES.THE CONTRACTOR SHALL HAND EXCAVATE TO EXPOSE THOSE LINES PRIOR TO PERFORMING ANY EXCAVATION WORK IN THE AREA. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ANY POWER OR COMMUNICATION INTERRUPTION.
- 5. DURING ALL NON-WORKING HOURS, STORE ALL EQUIPMENT AND MATERIALS WITHIN AN AREA DESIGNATED BY THE OWNER AT THE PROJECT SITE.
- 6. ALL CURB DIMENSIONS SHOWN REFER TO THE FACE OF CURB.
- 7. ALL CONSTRUCTION TO CONFORM WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODE REQUIREMENTS.
- 8. COORDINATE CONSTRUCTION ACTIVITIES WITH OWNER TO MINIMIZE INTERRUPTION TO THE OWNER'S OPERATIONS.
- 9. RESTORE SURROUNDING AREAS DAMAGED OR DISTURBED DURING CONSTRUCTION. RESTORE TO NEW CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- 10.SEAL ALL JOINTS BETWEEN NEW PAVEMENT AND CONCRETE WITH SPECIFIED SEALANTS.

SITE REMOVAL NOTES

- 1. REPORT ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE PLANS TO THE ENGINEER IN WRITING IMMEDIATELY.
- 2. UNDERGROUND UTILITY INFORMATION SHOWN ON THESE PLANS WAS OBTAINED FOR DESIGN PURPOSES ONLY. PROVIDE FOR CONSTRUCTION MARKOUT AND LOCATE EXIST. UNDERGROUND UTILITIES. NO EXCAVATION CAN COMMENCE UNTIL UTILITY DOCUMENTATION HAS BEEN COMPLETED.
- 3. AFTER MARKOUT AND PRIOR TO DISTURBING THE SITE, UNCOVER ALL SUBSURFACE UTILITIES AND STRUCTURES WITHIN LIMITS OF DISTURBANCE TO CONFIRM THEIR LOCATION AND DEPTH.
- 4. NO COMPENSATION WILL BE MADE FOR ANY INCONVENIENCE CAUSED BY ENCOUNTERING UTILITIES AND STRUCTURES WHICH ARE NOT SHOWN, OR ARE INACCURATELY SHOWN ON THE PLANS.
- 5. TAKE APPROPRIATE MEASURES TO PROTECT EXIST. UTILITIES WITHIN THE LIMITS OF WORK. REPAIR ANY DAMAGE TO EXIST. UTILITIES RESULTING FROM CONTRACTOR OPERATIONS IMMEDIATELY AT NO COST TO OWNER.
- REPAIR ANY DAMAGE TO EXIST. SITE FEATURES
 SCHEDULED TO REMAIN RESULTING FROM
 CONTRACTOR OPERATIONS AT NO COST TO OWNER.
- 8. PROVIDE TEMPORARY FENCING TO PROTECT WORK
- 9. INSTALL SEDIMENT BAG INLET PROTECTION ON ALL EXIST. INLETS WITHIN THE WORK AREA PRIOR TO ANY GROUND DISTURBANCE.
- 10. DELINEATE THE LIMITS OF CLEARING AND REVIEW WITH THE OWNER PRIOR TO COMMENCING WORK.
- 11. NOTIFY OWNER AND ENGINEER IMMEDIATELY IN WRITING WHEN UNKNOWN STRUCTURES OR SUSPECTED HAZARDOUS OR CONTAMINATED MATERIALS ARE ENCOUNTERED PRIOR TO REMOVAL OR DISTURBANCE.
- 12. TAKE APPROPRIATE MEASURES TO PROTECT PEDESTRIANS AND VEHICULAR TRAFFIC DURING REMOVAL ACTIVITIES, AND PROVIDE TEMPORARY MEASURES FOR THE PROTECTION AND SAFETY OF THE PUBLIC UNTIL FINAL ACCEPTANCE BY THE OWNER.
- 13. BACKFILL ALL VOIDS RESULTING FROM THE REMOVAL OF EXIST. SITE FEATURES. BACKFILL TO BE SOIL, FREE OF ORGANIC MATERIAL, DEBRIS, TRASH, CLAY AND STONES LARGER THAN 4 INCHES.

GRADING & DRAINAGE NOTES

- 1. FOR NEW CONSTRUCTION THAT MEETS EXIST. CONDITIONS, ABUTTING SURFACES SHALL BE FLUSH AND ALIGNED.
- 2. ADJUST ALL EXIST. CASTINGS AND VALVE COVERS TO MEET PROPOSED GRADE.
- 3. ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION SHALL BE RESTORED AS INDICATED OR TO THEIR ORIGINAL CONDITION.
- 4. THE CONTRACTOR SHALL FURNISH "AS BUILT" DRAWINGS AFTER COMPLETION OF WORK.
- 5. ALL MATERIALS INDICATED ON THE PLANS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL LEGALLY BE DISPOSED OF OFF THE SITE. THOSE ITEMS TO BE REMOVED AND RELOCATED SHALL BE CAREFULLY REMOVED, STORED, AND RELOCATED. ANY DAMAGE CAUSED BY THE REMOVAL OPERATION OR OCCURRING WHILE STORED OR BEING RELOCATED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

CONCRETE NOTES:

- 1. IF EXISTING CONDITIONS ARE FOUND TO BE DIFFERENT IN FIELD THAN SHOWN ON DRAWINGS, CONTRACTOR SHALL NOTIFY EOR AND PROJECT OFFICER IMMEDIATELY.
- 2. PROVIDE PRODUCT DATA SUBMITTALS FOR ALL PROPOSED PRODUCTS FOR EOR'S REVIEW BEFORE THE COMMENCEMENT OF WORK.
- 3. ANY DAMAGE INCURRED ON ADJOINING/ ADJACENT PROPERTY DURING WORK SHALL BE REPAIRED BY THE CONTRACTOR IN KIND AT NO ADDITIONAL COST TO THE AUTHORITY.
- 4. ALL NEW WORK SHALL COMPLY WITH THE APPLICABLE BUILDING / CONSTRUCTION CODES.
- 5. ALL REINFORCING BARS SHALL BE DEFORMED BILLET STEEL BARS AND SHALL CONFORM TO ASTM A615 GRADE 60. REINFORCEMENT TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 60. WELDED WIRE FABRIC (WIRE MESH) SHALL CONFORM TO ASTM A185. PROVIDE EPOXY—COATED REINFORCEMENT IN ACCORDANCE WITH ASTM A775 FOR STEEL BARS AND ASTM A933 FOR WIRE MESH FOR CONCRETE EXPOSED TO THE ELEMENTS.
- 6. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS CONSISTING OF COMPLETE PLANS AND DETAILS OF REINFORCEMENT, LOCATIONS OF POUR LINES, CONSTRUCTION JOINTS, ETC. FOR APPROVAL BEFORE PROCEEDING WITH THE WORK.

- 7. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL COMPLY WITH THE REQUIREMENTS OF ACI 315 AND ACI 318-11, CHAPTERS 7 AND 12, AND SECTION BC 1907.5 OF THE NYC BUILDING CODE.
- 8. ALL SPLICES SHALL BE IN ACCORDANCE WITH ACI 318-11, CHAPTER 12. THE LOCATIONS SHALL BE INDICATED ON THE SHOP DRAWINGS AND APPROVED BY THE ENGINEER OF RECORD. GENERALLY, ALL SPLICES SHALL BE STAGGERED AND LOCATED AWAY FROM THE SECTION OF MAXIMUM TENSILE STRESS.
- 9. ALL REINFORCEMENT SHALL BE ACCURATELY PLACED AND SECURELY TIED TO PREVENT DISLOCATION FROM PROPER POSITION.
- 10.PROVIDE CHAIRS FOR SUPPORT OF ALL REINFORCEMENT. LIFTING OF BARS OR MESH DURING PLACEMENT OF CONCRETE IS NOT PERMITTED.
- 11. WHERE NOT OTHERWISE INDICATED, PROVIDE A MINIMUM OF 2-#5 BARS TOP AND BOTTOM AT ALL SIDES OF UNFRAMED OPENINGS.
- 12. THE MINIMUM COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:
- a. FOR BARS IN SLAB 3/4
- 13. THE DETAILING OF REINFORCEMENT AND CONNECTION BETWEEN CONCRETE MEMBER AS RELATED TO REQUIREMENTS FOR STRUCTURAL INTEGRITY SHALL COMPLY WITH PROVISIONS OF ACI 318, SECTIONS 7.13 AND 13.3.8.5.
- 14.REINFORCED CONCRETE STRUCTURES SHALL MEET ALL THE REQUIREMENTS OF 2014 NYC BUILDING CODE SECTION BC 1916 RELATED TO STRUCTURAL INTEGRITY.
- 15.DESIGN OF REINFORCED CONCRETE MEMBERS
 SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF
 THE BUILDING CODE REQUIREMENTS FOR REINFORCED
 CONCRETE (ACI 318-11), AS MODIFIED BY THE 2014
 NYC BUILDING CODE SECTIONS BC 1901 AND 1908
 USING LOAD FACTORS AND STRENGTH REDUCTION
 FACTORS.
- 16.ALL CONCRETE WORK MIXES, INSPECTIONS, AND FORMWORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2014 NYC BUILDING CODE, SECTION BC 1901.
- 17.PROPORTION, BATCH, AND MIX CONCRETE IN ACCORDANCE WITH SECTION BC 1905 OF THE 2014 NYC BUILDING CODE. PROPORTION CONCRETE MIX IN ACCORDANCE WITH SECTION BC 1905.3. MIXES SHALL HAVE INCLUDED ALL ADMIXTURES THAT WILL BE USED DURING THIS CONSTRUCTION.
- 18.SUBMIT PROPOSED MIX DESIGN TO THE ENGINEER OF RECORD. CONCRETE SHALL NOT BE PLACED UNTIL MIXES HAVE BEEN APPROVED.
- 19.ALL CONCRETE USED IN THE STRUCTURE SHALL CONFORM IN ALL RESPECTS TO THE MATERIAL AND PROPORTIONS OF THESE MATERIALS USED IN THE APPROVED DESIGN MIX. THE USE OF ANY ADDITIVES NOT PRESENT IN THE APPROVED DESIGN MIX IS PROHIBITED.
- 20.THE METHOD FOR CONVEYING CONCRETE TO THE PLACE OF DEPOSIT SHALL COMPLY WITH SECTION BC 1905.9.
- 21.CONSTRUCTION JOINTS OF CONCRETE COMPONENTS SHALL COMPLY WITH THE PROVISIONS OF SECTION BC 1906.4.
- 22.ROUGHENED SURFACE AT INTERFACE OF SEPARATE CONCRETE POURS (JOINTS) SHALL BE PREPARED AS FOLLOWS:

a. ROUGHEN SURFACE TO FULL AMPLITUDE OF

- APPROXIMATELY 1/4" WITH STIFF BROOM AFTER INITIAL SET.

 b. BEFORE PLACING FRESH CONCRETE, CLEAN
- SURFACE AND REMOVE LAITANCE WITH WIRE BRUSH.
- c. IMMEDIATELY BEFORE NEW CONCRETE IS PLACED, WET SURFACE AND REMOVE STANDING WATER.
- 24.CONCRETE SHALL BE AIR—ENTRAINED (ASTM C260), LIGHTWEIGHT CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. 25.CONC. MIX SHALL BE PREPARED IN ACCORDANCE
- WITH ACI 318.

 26.CONCRETE: CONCRETE SHALL BE AIR—ENTRIANED

 5%+ 1 1/2% BY VOLUME. AS REQUIRED.
- 5%+ 1 1/2% BY VOLUME, AS REQUIRED.
 AIR-ENTRIANING ADMIXTURE TO COMPLY WITH ASTM C260.

 APPLICATION F'C AT 28 DAYS (PSI)

<u>M/C (MAX)</u>	FC AL 28 DATS (P
SLABS ON GRADE 0.40	4,000
(AIR-ENTRAINED) LIGHTWEIGHT FILL 0.45	3,500
ON METAL DECK	
(AIR-ENTRAINED)	

LIST OF DRAWINGS	
C001	COVER SHEET, GENERAL NOTES, LIST OF DRAWINGS
C101	RAMP LAYOUT PLANS
C201	RAMP SECTION X-X (EXISTING)
C202	RAMP SECTION Y-Y (EXISTING)
C203	RAMP ELEVATIONS - NEW FACE BRICK MASONRY
C301	RAMP SECTION DETAILS - 1
C302	RAMP SECTION DETAILS - 2
C303	RAMP SECTION DETAILS - 3

02/28/2022 100% SUBMISSION

Revision

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No. Date

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Drawn by: AZHER MALIK

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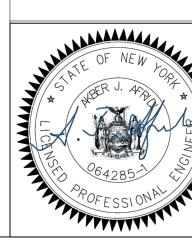
aafridi@afridiassociates.com

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CIVIL WORKS NOTES

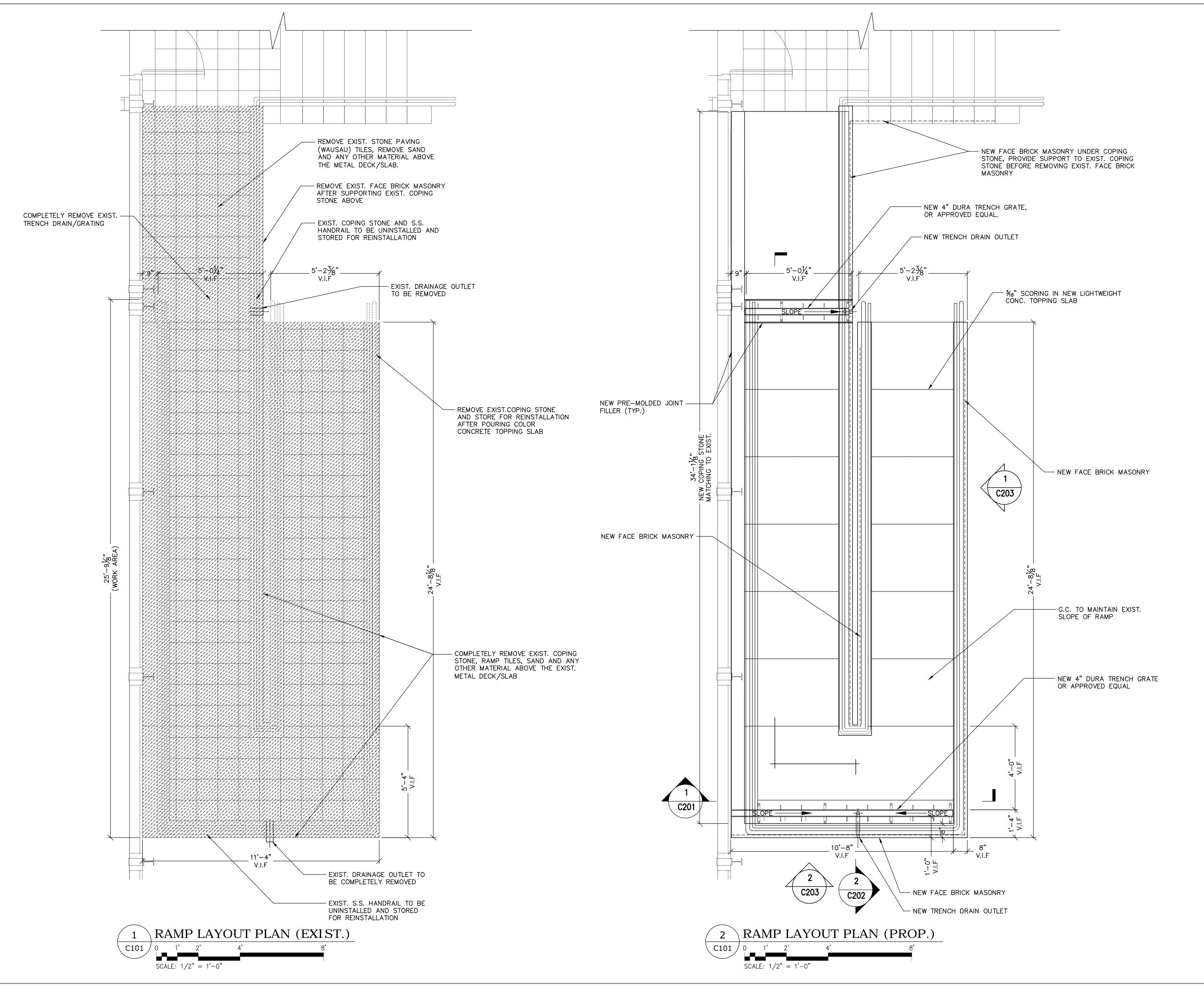


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Date:

02/28/2022



NOTE:

- 1. CONTRACTOR TO PROTECT OTHER
 APPERTINENT ELEMENTS FROM DAMAGE
 AND DUST DURING CONSTRUCTION.
- 2. CONTRACTOR TO REPLACE IN KIND OTHER APPERTINENT ELEMENTS THAT ARE DAMAGED DURING CONSTRUCTION AT NO COST.
- 3. CONTRACTOR TO REINSTALL ALL EXIST. EQUIPMENT IN ITS ORIGINAL POSITION.
- 4. ALL DIMENSIONS ARE TO BE VERIFIED IN FIELD, ANY DISCREPANCY IN FIELD DIMENSIONS ARE TO BE NOTIFIED IMMEDIATELY.
- 5. TILE PATTERN AND OTHER DETAILS SHOWN ARE PER AS BUILT DWGS. CONTRACTOR WILL PROVIDE SHOP DWG SUBMITTALS BASED ON EXIST. SITE DETAILS.

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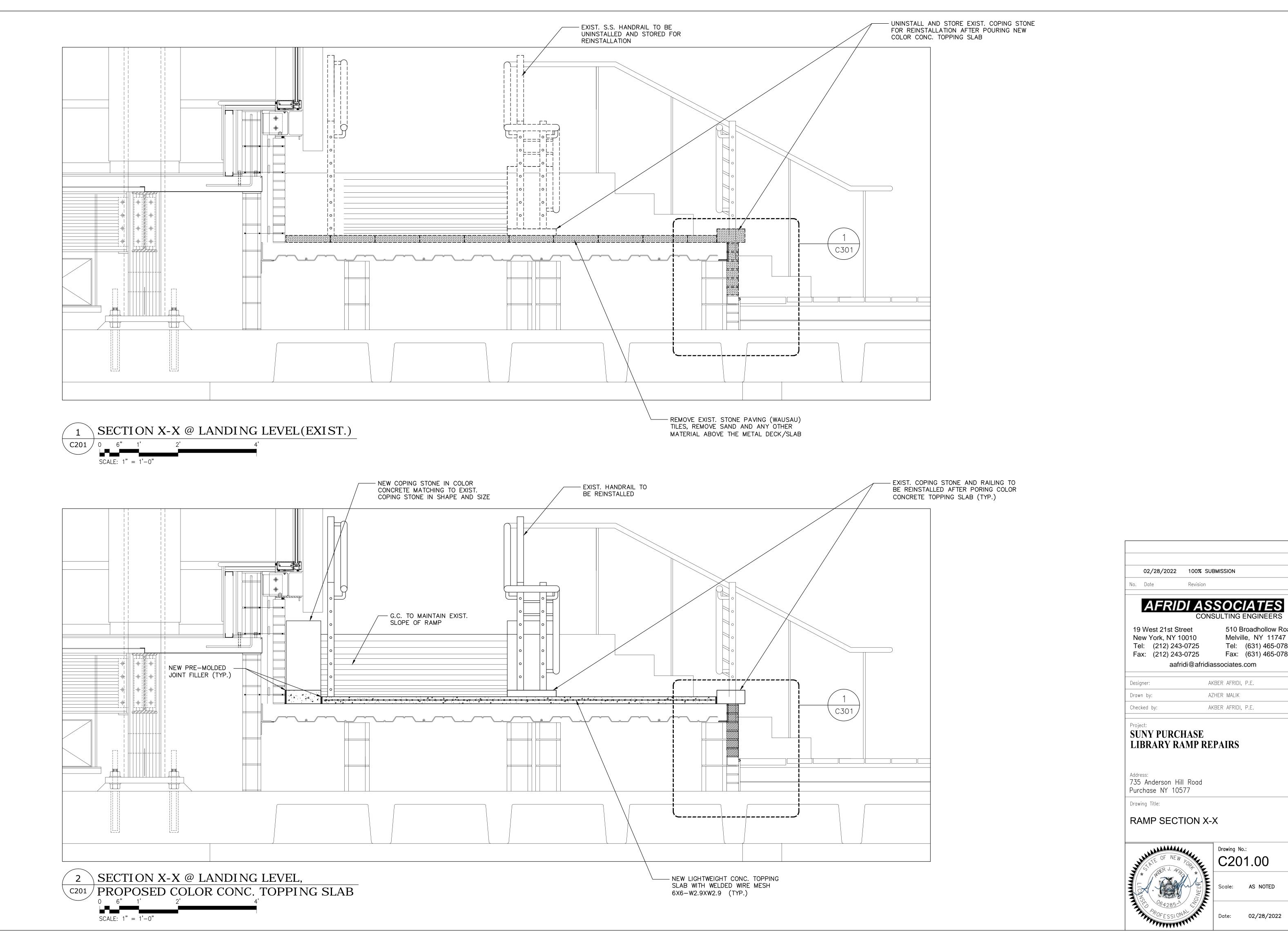
RAMP LAYOUT PLANS



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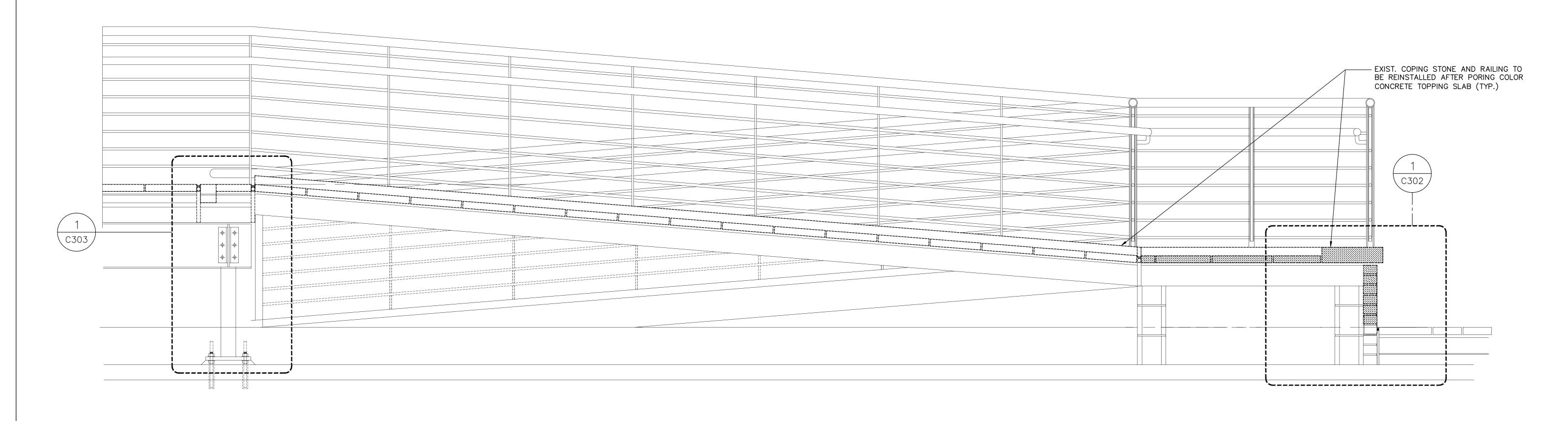
Melville, NY 11747

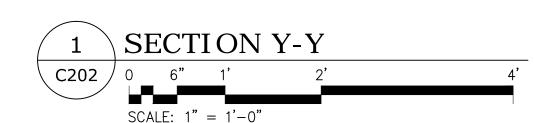
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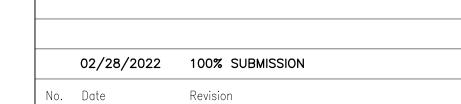
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Drawing Title:

RAMP SECTION Y-Y

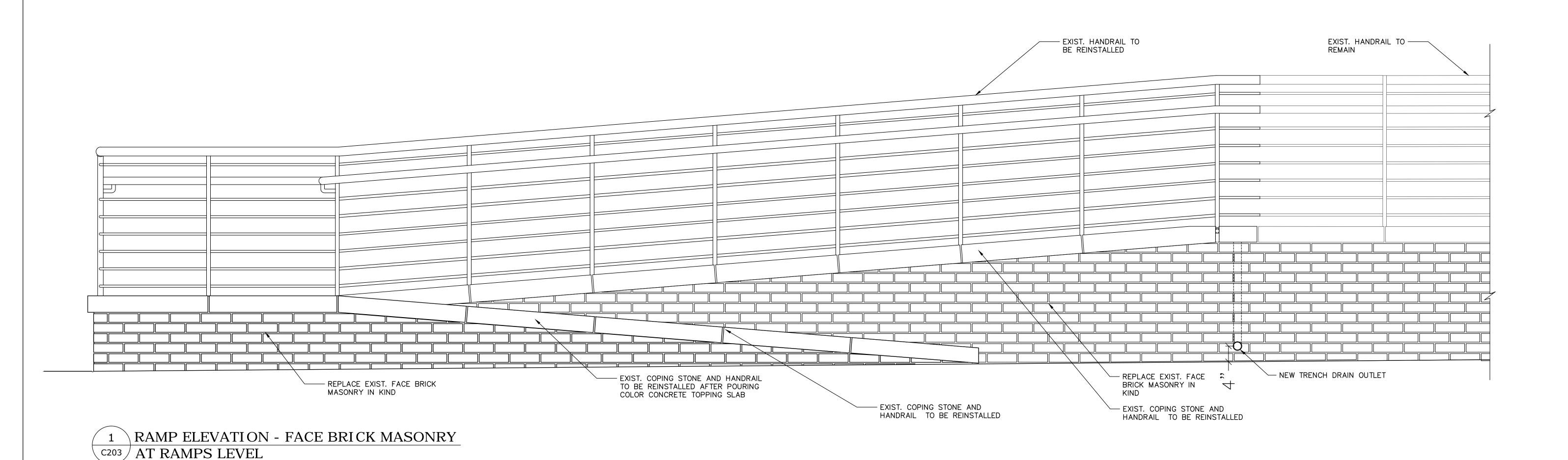
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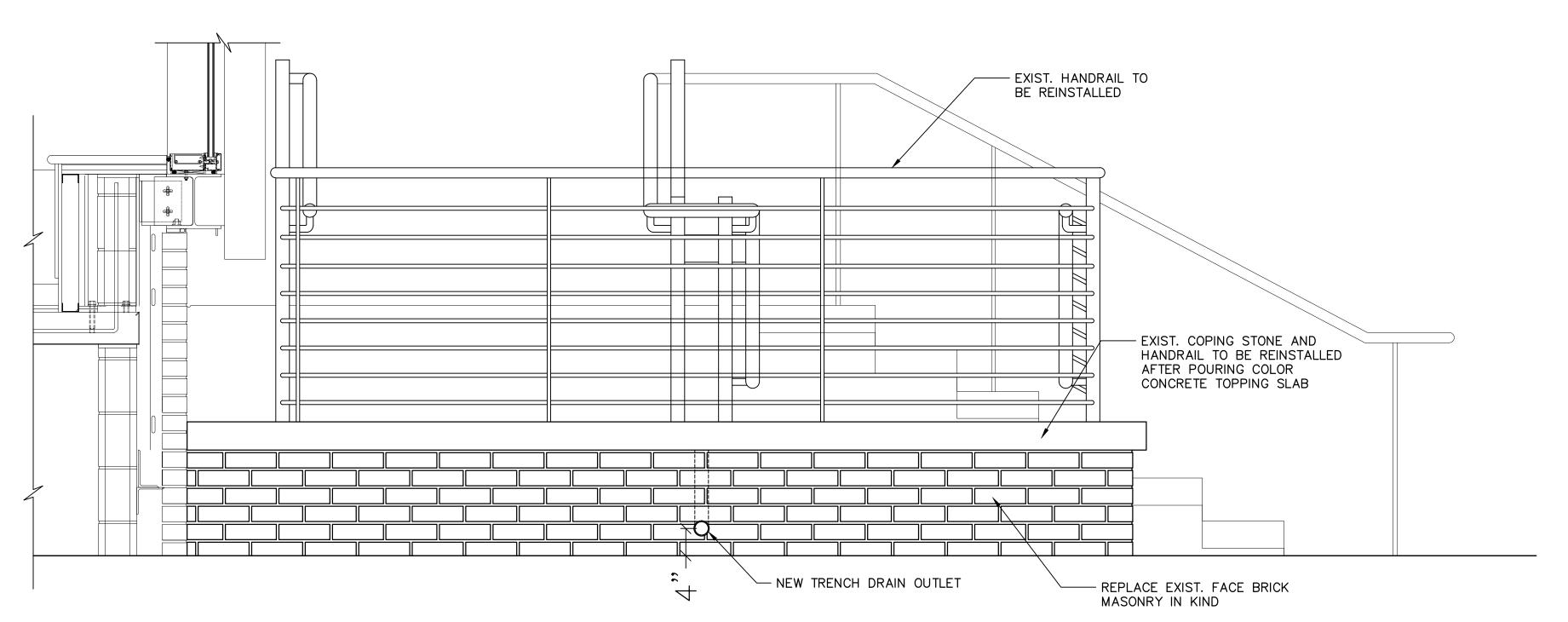


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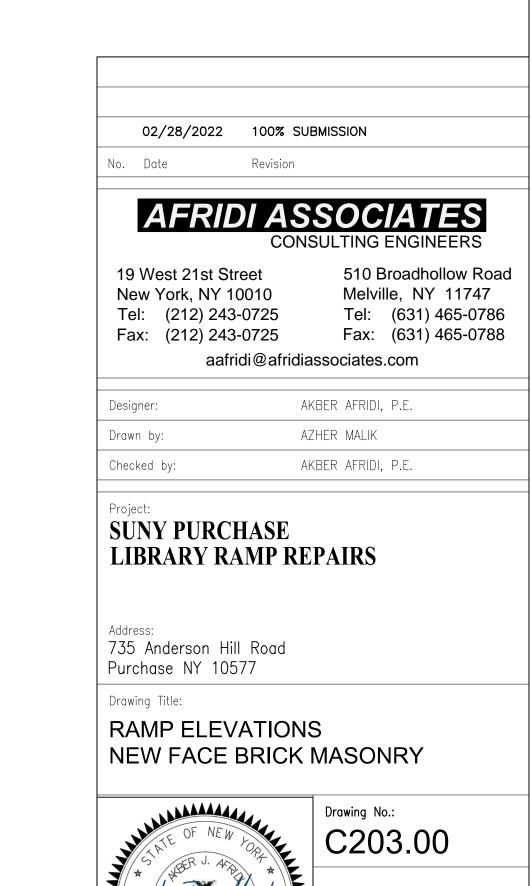
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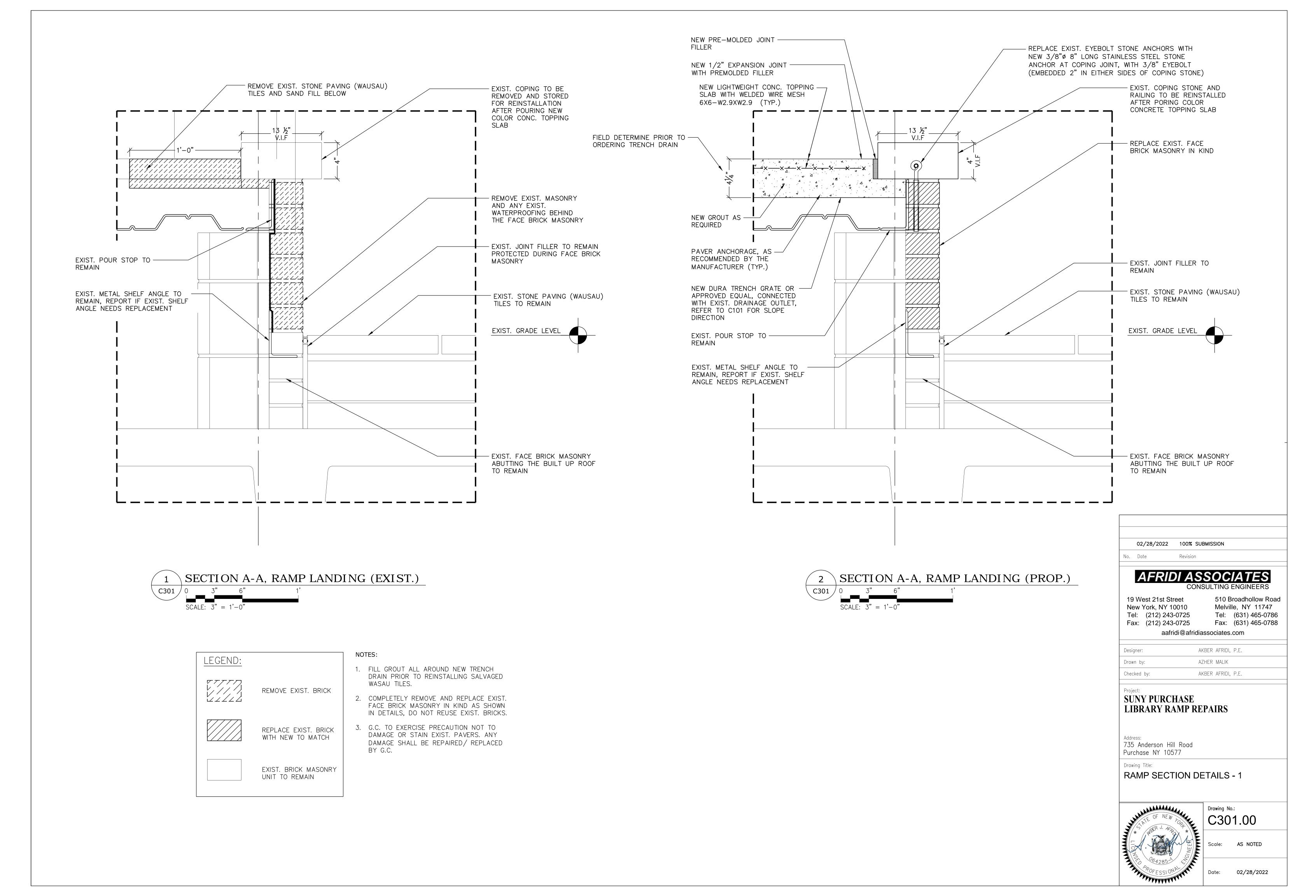
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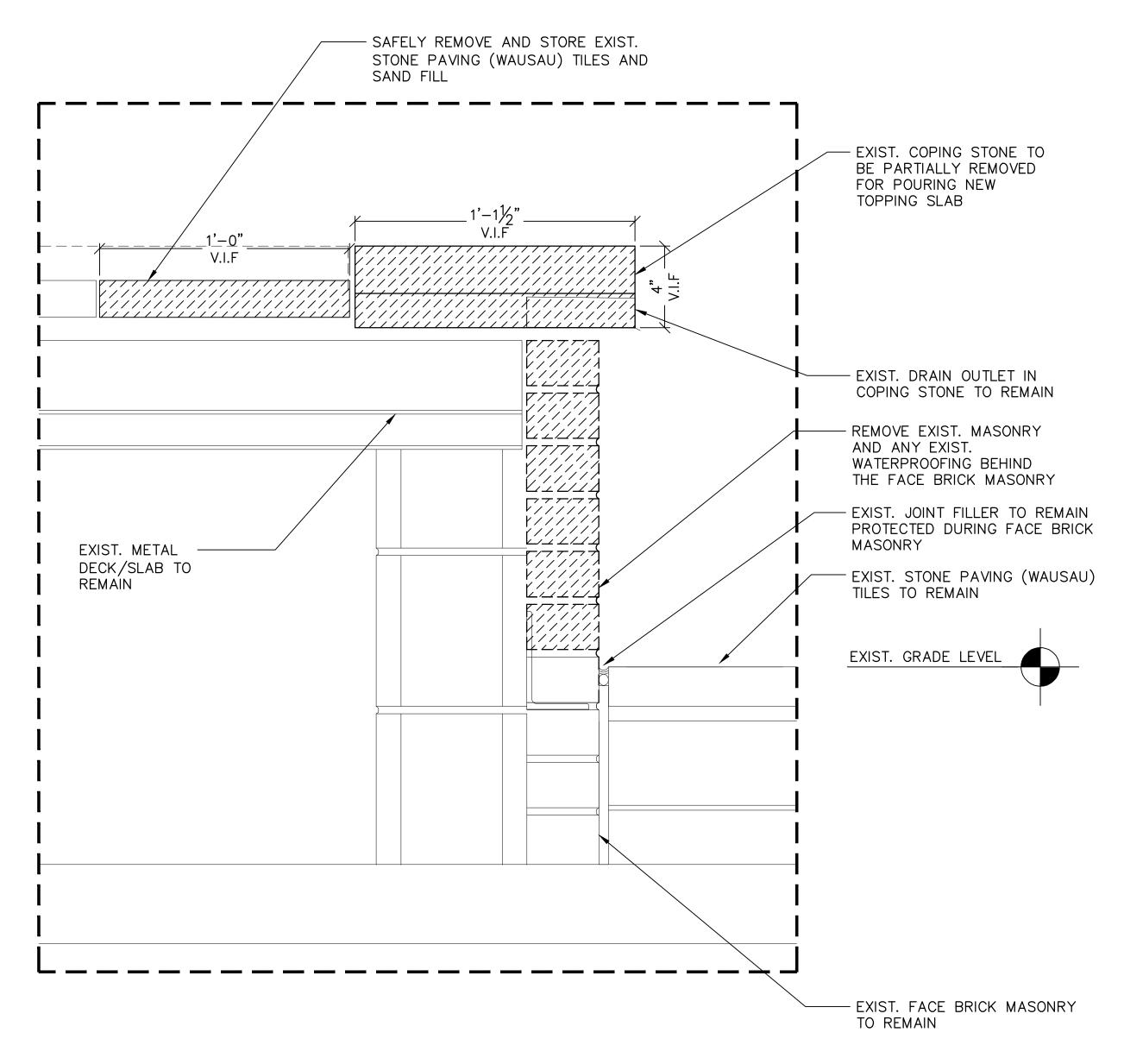


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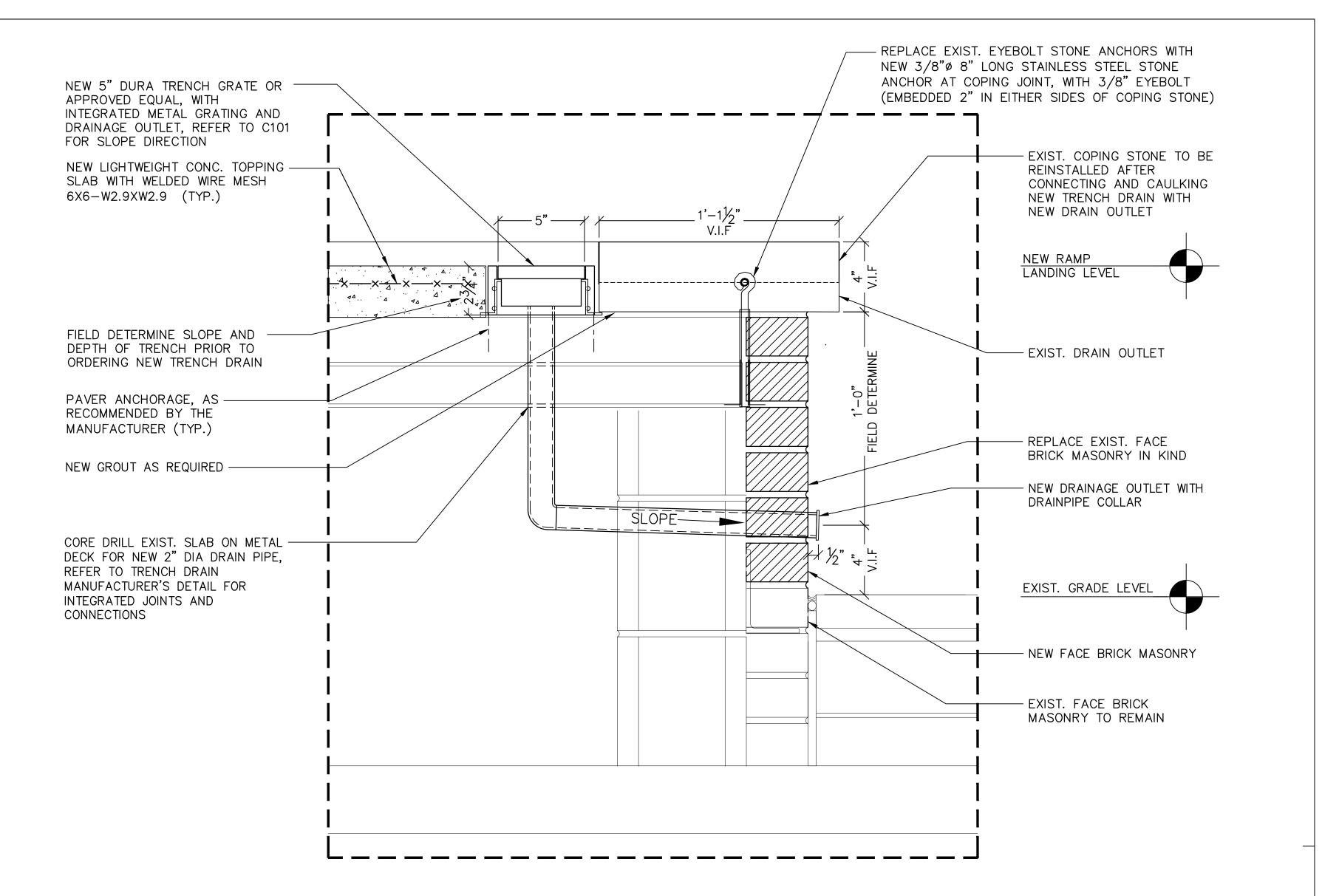


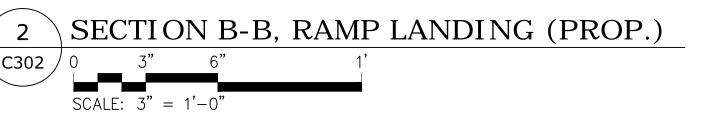


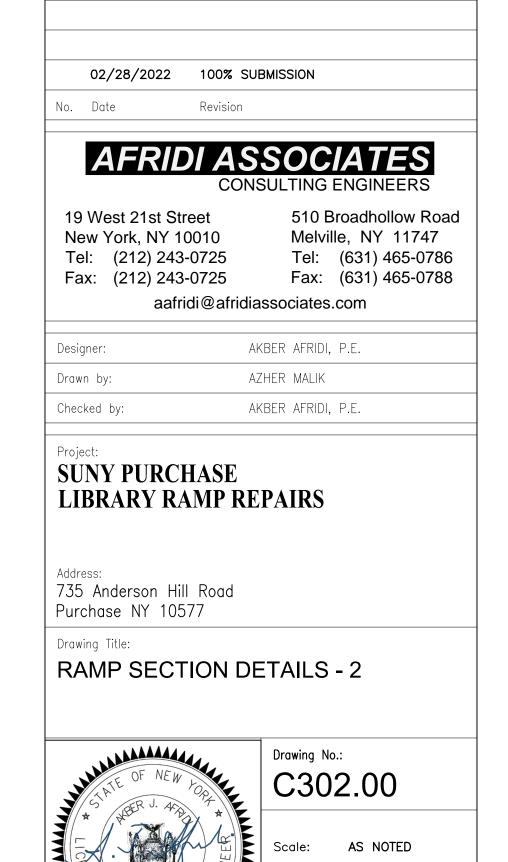
1 SECTION B-B, RAMP LANDING (EXIST.)

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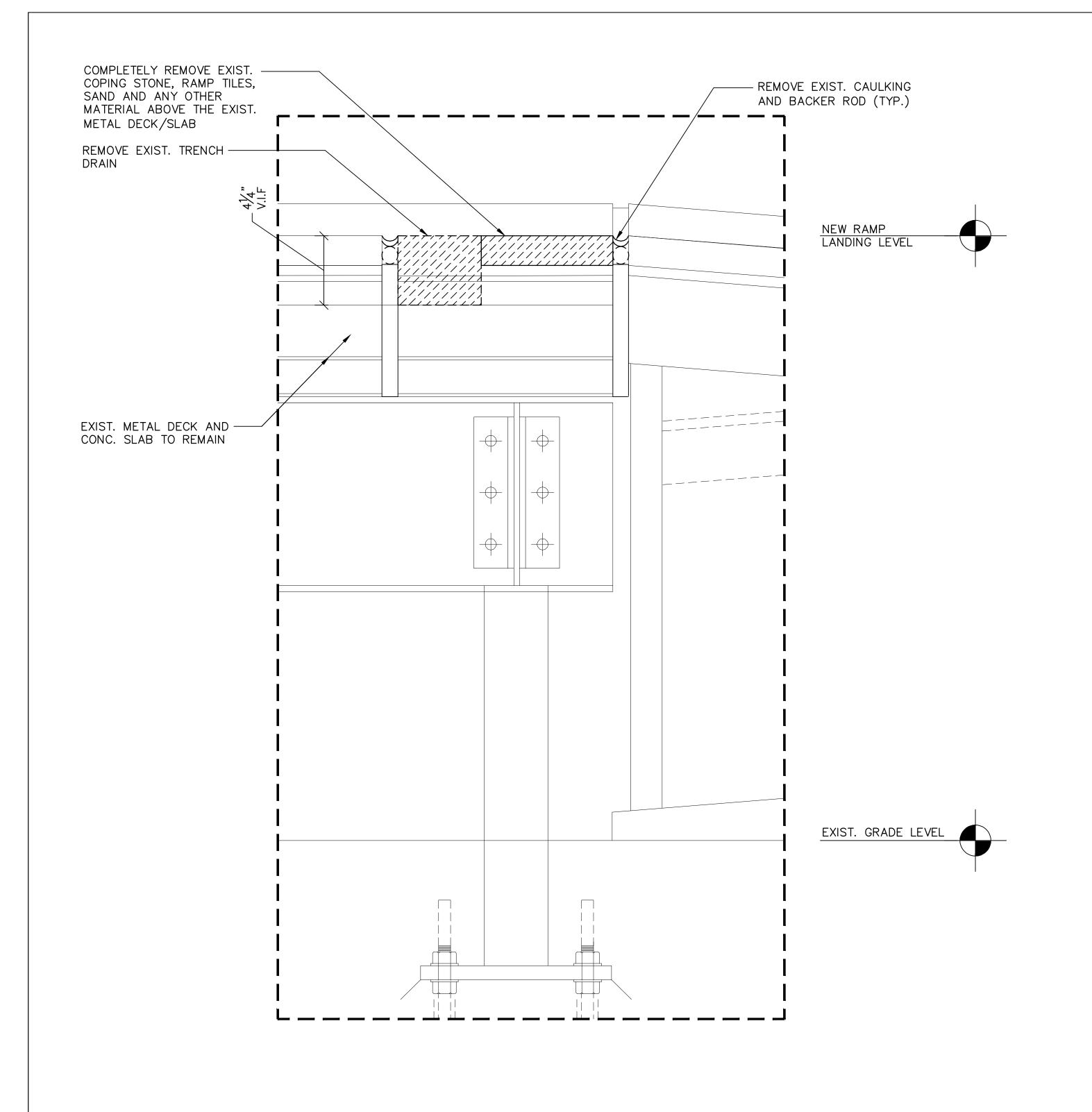


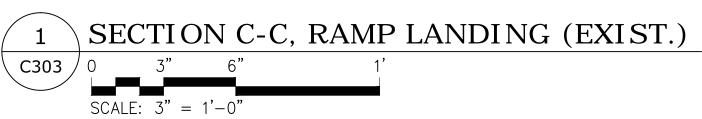


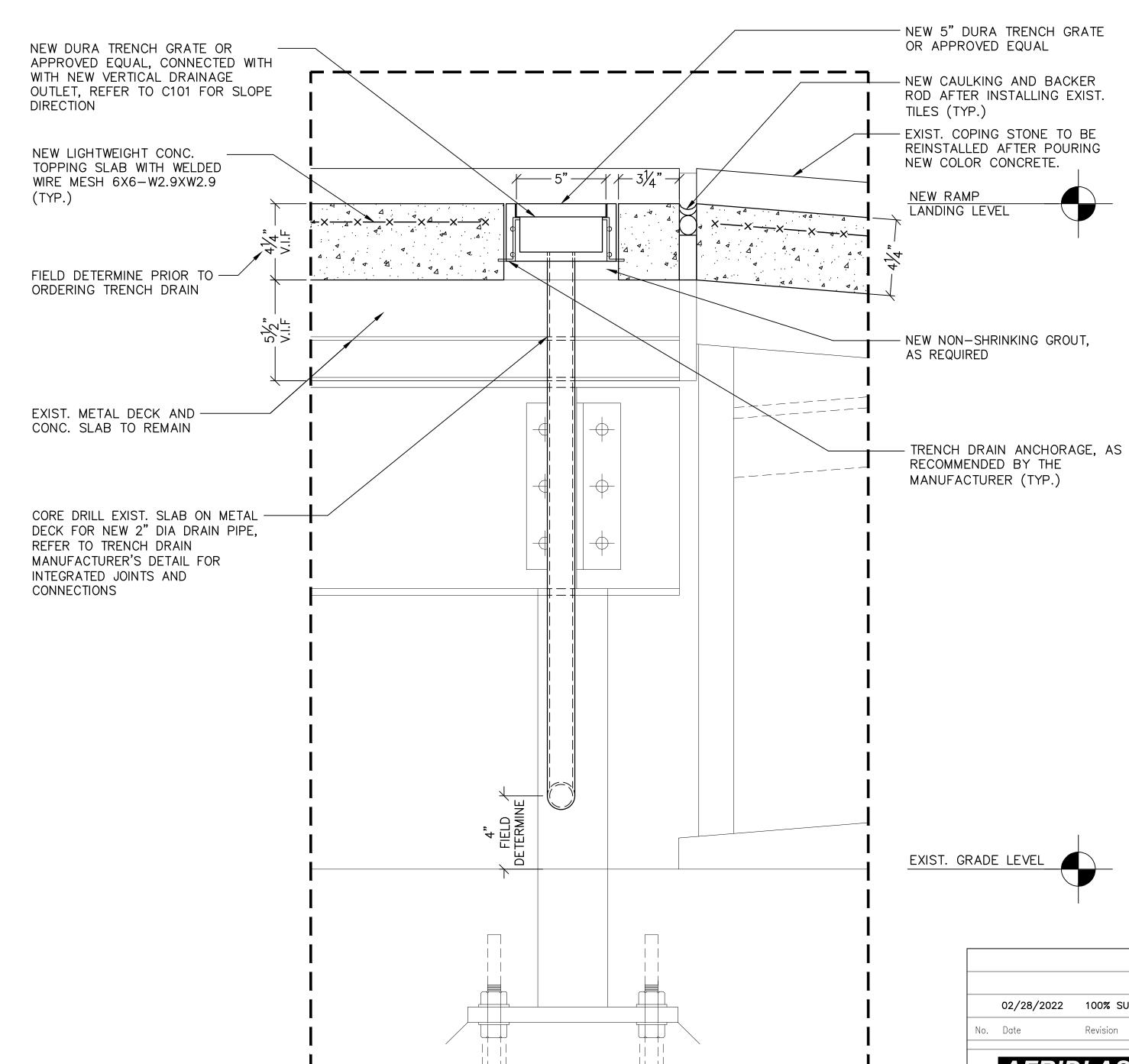


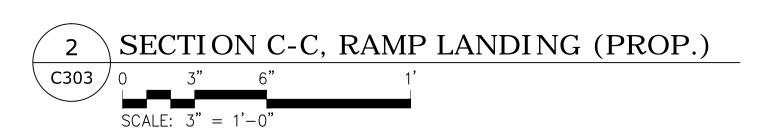
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RAMP SECTION DETAILS - 3



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