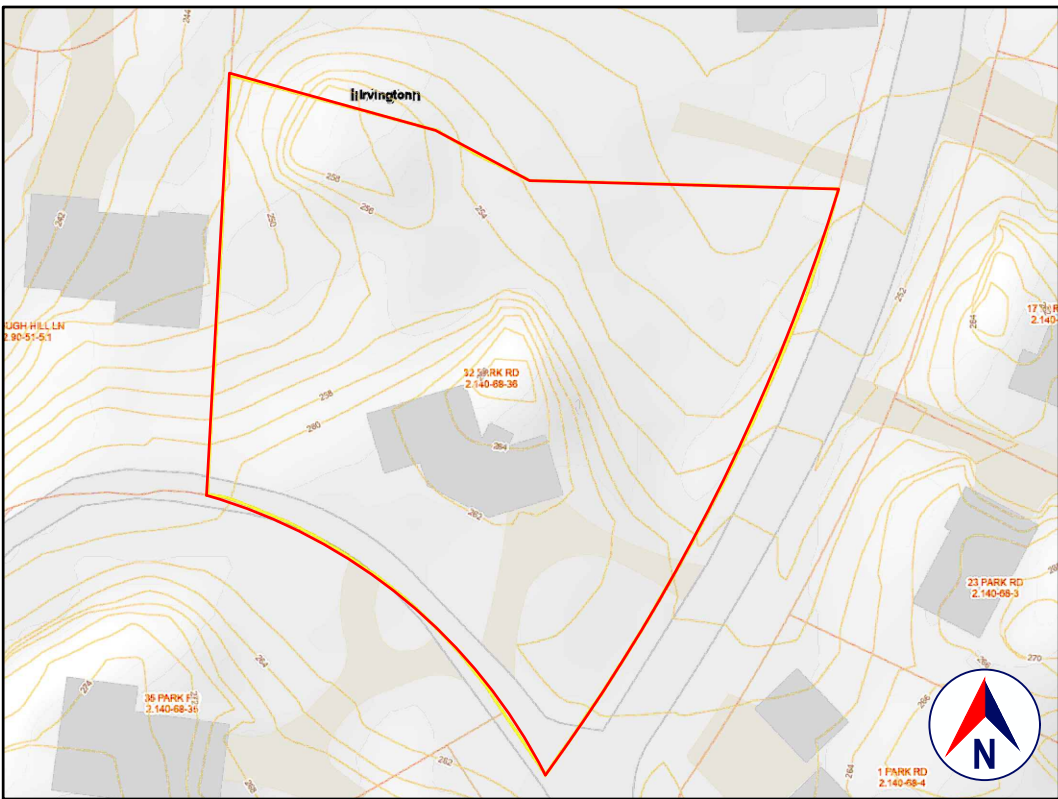


LOCATION
GOOGLE MAPS



SATELLITE VIEW
GOOGLE EARTH



TAX MAP AND TOPO
WESTCHESTER COUNTY GIS



FRONT VIEW
GOOGLE STREET VIEW

1.0 GENERAL REQUIREMENTS:

1.1 PROJECT SCOPE:
RETROFIT EXISTING REINFORCED CONCRETE DECK STRUCTURE.

1.2 DESIGN INTENT:
THE INVOLVEMENT OF OLIVER ENGINEERING IN THIS PROJECT IS: PROVIDE STRUCTURAL DESIGN AND DRAWINGS.

IT IS THE INTENT OF THESE DRAWINGS TO CALL FOR COMPLETE AND FINISHED WORK, IN COMPLIANCE WITH THE CODES, AND TESTED AND GUARANTEED AND READY FOR OPERATION.

THE ENGINEER HAS NOT BEEN ENGAGED TO SUPERVISE ANY WORK AND DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

1.3 EXISTING CONSTRUCTION TYPE:
THE EXISTING BUILDING, PER THE BUILDING CODE OF NEW YORK STATE, TABLE 601 IS CONSTRUCTION TYPE VB - CONSTRUCTION WHERE THE PRIMARY ELEMENTS ARE NOT REQUIRED TO BE FIRE RATED.

1.4 CLASSIFICATION OF PROPOSED WORK:
THE PROPOSED WORK IS OUTSIDE OF THE EXISTING BUILDING ENVELOPE; THE CODES REFERENCED BELOW APPLY TO ALL PROPOSED WORK.

1.5 ZONING, OCCUPANCY AND USE:
INSIDE/OUTSIDE: OUTSIDE
YEAR BUILT: 1982 (PER ZILLOW)
ZONING: 1F-20 ONE FAMILY RESIDENCE
OCCUPANCY CLASSIFICATION: RESIDENTIAL GROUP R-3 *
EXISTING USE: SINGLE FAMILY
PROPOSED USE: SINGLE FAMILY (NO CHANGE)

* WHERE THE OCCUPANTS ARE PRIMARILY PERMANENT IN NATURE AND NOT CLASSIFIED AS OCCUPANCY GROUP R-1, R-2, R-4 OR I, INCLUDING BUILDINGS THAT DO NOT CONTAIN MORE THAN TWO DWELLING UNITS.

1.6 COMPLIANCE:
ALL WORK SHALL BE IN COMPLIANCE WITH THE FOLLOWINGS CODES:
• GENERAL: 2020 RESIDENTIAL CODE OF NEW YORK STATE (INTERNATIONAL RESIDENTIAL CODE 2018 WITH AMENDMENTS)
• EXISTING: EXISTING BUILDING CODE OF NEW YORK STATE (INTERNATIONAL EXISTING BUILDING CODE 2018 WITH AMENDMENTS)
• ENERGY: NOT APPLICABLE TO THESE DRAWINGS
• PLUMBING: NOT APPLICABLE TO THESE DRAWINGS
• ELECTRICAL: NOT APPLICABLE TO THESE DRAWINGS
• DRAINAGE: NOT APPLICABLE TO THESE DRAWINGS
• MAINTENANCE: NOT APPLICABLE TO THESE DRAWINGS
• MUNICIPAL: CHAPTER 95, BUILDING CONSTRUCTION AND CHAPTER 118, FIRE PREVENTION OF THE CODE OF THE VILLAGE OF IRVINGTON.
• OTHER: ALL REFERENCED CODES, OTHER CODES AND REGULATIONS, FEDERAL, STATE AND LOCAL, THAT MAY APPLY.

1.7 AUTHORITY HAVING JURISDICTION:
THE AUTHORITY HAVING JURISDICTION, AS DEFINED IN SECTION 103.1 OF THE RESIDENTIAL CODE, AND WHICH SHALL PROVIDE FOR ADMINISTRATION AND ENFORCEMENT OF THE UNIFORM CODE AND ENERGY CODE BY LOCAL LAW, ORDINANCE, OTHER APPROPRIATE REGULATION, OR COMBINATION THEREOF, IS THE VILLAGE OF IRVINGTON.

THE DULY APPOINTED BUILDING OFFICIAL OF THE VILLAGE OF IRVINGTON IS AUTHORIZED TO ENFORCE THE PROVISIONS OF THE CODE.

THE BUILDING OFFICIAL MAY ADOPT POLICIES AND PROCEDURES IN ORDER TO CLARIFY THE APPLICATION OF THE PROVISIONS OF THE CODE. SUCH POLICIES AND PROCEDURES SHALL BE IN COMPLIANCE WITH THE INTENT AND PURPOSE OF THE CODE.

2.0 DESIGN CRITERIA:

2.1 DEAD LOAD:
PER 301.4, THE ACTUAL WEIGHTS OF MATERIALS AND CONSTRUCTION SHALL BE USED FOR DETERMINING DEAD LOAD; THE FOLLOWING APPROXIMATIONS (IN PSF) ARE USED FOR THIS PROJECT:
USE PSF
FRAMED WALL ASSEMBLY: 15
ROOF /CEILING ASSEMBLY: 20
FLOOR ASSEMBLY: 15
ALL OF THE LOADS LISTED MAY NOT APPLY TO THE CURRENT PROJECT.

2.2 LIVE LOAD:
UNIFORMLY DISTRIBUTED LIVE LOADS SHALL BE PER TABLE R301.5 AND AS FOLLOWS* (IN PSF):
USE PSF OTHER
UNINHABITABLE SPACE WITHOUT STORAGE: 10 (427H, 24"W)
UNINHABITABLE ATTICS W/LIMITED STORAGE: 20
HABITABLE ATTICS & ATTICS W/FIXED STAIRS: 30
EXTERIOR BALCONIES & DECKS: 40
FIRE ESCAPES: 40
GUARDS & HANDRAILS: 200 (CONCENTRATED)
GUARD IN-FILL COMPONENTS: 50 (HORIZONTAL)
PASSENGER VEHICLE GARAGE: 50 (82,000LB/205S)
ROOMS OTHER THAN SLEEPING ROOMS: 40
SLEEPING ROOMS: 40
STAIRS: 40 (& 300LB/4SI)
ROOF: PER 301.6 (INC. SNOW): 30
*SOME OF THE LOADS LISTED ABOVE MAY BE HIGHER THAN THOSE REQUIRED PER CODE. ALL OF THE LOADS LISTED MAY NOT APPLY TO THE CURRENT PROJECT.

2.3 WIND LOAD:
WIND LOADS SHALL BE BASED ON THE ULTIMATE DESIGN WIND SPEED LISTED IN TABLE 301.2(1) AND ADJUSTED FOR HEIGHT AND EXPOSURE):
120 MPH: WIND LOADS WILL BE ALLOWED FOR IN THE DESIGN LOAD PERFORMANCE REQUIREMENTS FOR WALL COVERINGS, ROOF COVERINGS, WINDOWS, SKYLIGHTS AND DOORS.
COMPONENT AND CLADDING LOADS WILL BE PER TABLE R301.2(2)

2.4 ALLOWABLE LIVE LOAD DEFLECTION:
THE ALLOWABLE LIVE LOAD DEFLECTION OF ALL STRUCTURAL MEMBERS, SHALL BE PER TABLE R301.7 AND AS FOLLOWS:
STRUCTURAL MEMBER ALLOWABLE DEFLECTION
RAFTERS HAVING SLOPES GRATER THAN 3:12 WHIT FINISHED L/180
CEILING NOT ATTACHED TO RAFTERS H/180
INTERIOR WALLS AND PARTITIONS L/360
FLOORS L/360
CEILING WITH BRITTLE FINISHES (INCLUDING PLASTER AND STUCCO) L/360
CEILING WITH FLEXIBLE FINISHES (INCLUDING GYPSUM BOARD) L/240
ALL OTHER STRUCTURAL MEMBERS L/240
EXTERIOR WALLS-WIND LOAD WITH PLASTER OR STUCCO FINISHES L/360
EXTERIOR WALLS-WIND LOAD WITH OTHER BRITTLE FINISHES H/240
EXTERIOR WALLS-WIND LOADS WITH FLEXIBLE FINISHES H/120
LINTELS SUPPORTING MASONRY VENEER WALLS L/600

2.5 CLIMATIC AND GEOGRAPHIC CRITERIA:
CLIMATIC AND DESIGN CRITERIA FOR THE VILLAGE OF IRVINGTON ARE PER TABLE R301.2(1) BELOW:

PER 2020 RESIDENTIAL CODE OF NEW YORK STATE, TABLE 301.2(1)							(WIND) EXPOSURE CATEGORY: B					CLIMATE ZONE: 4A		
GROUND SNOW LOAD	WIND DESIGN				SEISMIC DESIGN CATEGORY	SUBJECT TO DAMAGE FROM			WINTER DESIGN TEMP	ICE BARRIER UNDERL.M.T. REQUIRED	FLOOD HAZARDS	AIR FREEZING INDEX	MEAN ANNUAL TEMP	
	WIND SPEED MPH	TOPOGRAPHIC EFFECTS	SPECIAL WIND REGION	WINDBORNE DEBRIS ZONE		WEATHERING	FROST LINE DEPTH	TERMITE						
30 PSF	115-120	NO	NO	NO	C	SEVERE	3'-6"	MOD/SEVERE	15	YES	MINIMAL	615	52.5°	

3.0 CONTRACTOR'S RESPONSIBILITIES:

THE CONTRACTOR SHALL:
• PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY FOR A COMPLETE AND FINISHED JOB.
• PROVIDE ALL NECESSARY SHORING AND BRACING FOR ALL BUILDING COMPONENTS IN ORDER TO ADEQUATELY PROTECT AGAINST ANY FAILURES.
• OBTAIN AND PAY FOR ALL REQUIRED PERMITS - UNLESS OTHERWISE STIPULATED.
• PRIOR TO THE SUBMISSION OF ANY BID, AND BEFORE PROCEEDING WITH ANY WORK, VISIT THE SITE AND VERIFY AND FAMILIARIZE HIMMSELF WITH ALL SITE DIMENSIONS AND CONDITIONS, WITH SITE WORKING CONDITIONS, HOURS OF LEGAL OPERATION, METHODS AND ROUTES OF ACCESS, AND THE EXISTENCE AND EXTENT OF ANY OTHER RESTRICTIONS, AND BE RESPONSIBLE FOR THE VERIFICATION OF ALL SUCH CONDITIONS AND DIMENSIONS WHICH PERTAIN TO THE PROJECT.
• BRING ALL DISCREPANCIES IN CONDITIONS AND DIMENSIONS, BETWEEN THE APPROVED DRAWINGS AND ACTUAL FIELD CONDITIONS, TO THE IMMEDIATE ATTENTION OF THE OWNER, AND RECEIVE DIRECTION IN WRITING, BEFORE PROCEEDING WITH THE AFFECTED WORK.
• VERIFY THE AVAILABILITY, LOCATION LAYOUT AND CONDITION OF UTILITIES, INCLUDING SEWER, WATER, GAS AND ELECTRIC LINES, PRIOR TO THE SUBMISSION OF ANY BID.
• HAVE CONTROL OVER AND SUPERVISE AND DIRECT THE WORK, INCLUDING THAT OF ITS SUBCONTRACTORS, AND BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES, AND FOR JOBSITE SAFETY, AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.
• PRIOR TO THE COMMENCEMENT OF ANY WORK, VERIFY THE CONDITION OF ALL ADJOINING STRUCTURES WHICH MAY BE AFFECTED, AND PROVIDE ADEQUATE PROTECTION TO ANY STRUCTURE THAT MIGHT BE OTHERWISE AFFECTED.
• IN THE EVENT THAT DAMAGE IS CAUSED TO ANY STRUCTURE, FINISH, OR OTHER ELEMENT, RESTORE SUCH ELEMENTS TO THEIR ORIGINAL CONDITION.
• IF APPLICABLE, PROVIDE WEATHER PROTECTION, IN AN EFFECTIVE AND TIMELY MANNER, TO PROTECT THE PREMISES, PERSONNEL, MATERIALS AND INSTALLED WORK.
• BE A HOME IMPROVEMENT CONTRACTOR WITH A CURRENT LICENSE ISSUED BY THE WESTCHESTER COUNTY DEPARTMENT OF CONSUMER AFFAIRS.
• BE CERTIFIED AS A LEAD SAFE FIRM BY THE EPA PER 40 CFR 745.226.
• CARRY LIABILITY INSURANCE TO THE LIMITS REQUIRED BY THE AUTHORITY HAVING JURISDICTION AND ISSUE CERTIFICATE(S) OF INSURANCE AS REQUIRED BY THE HOMEOWNER AND/OR THAT AUTHORITY.
• CARRY WORKMAN'S COMPENSATION AND DISABILITY INSURANCE AS REQUIRED THE LAW AND ISSUE CERTIFICATE(S) AS REQUIRED BY THE HOMEOWNER AND/OR THE AUTHORITY HAVING JURISDICTION.

4.0 BUILDING PERMIT:

NO PERSON OR ENTITY SHALL COMMENCE, PERFORM, OR CONTINUE ANY WORK THAT MUST CONFORM WITH THE UNIFORM CODE AND/OR ENERGY CODE UNLESS:

1. SUCH PERSON OR ENTITY HAS APPLIED TO THE VILLAGE OF IRVINGTON FOR A BUILDING PERMIT,
2. THE VILLAGE OF IRVINGTON HAS ISSUED A BUILDING PERMIT AUTHORIZING SUCH WORK,
3. SUCH BUILDING PERMIT HAS NOT BEEN REVOKED OR SUSPENDED, AND
4. SUCH BUILDING PERMIT HAS NOT EXPIRED.

THE BUILDING PERMIT IS REQUIRED TO BE VISIBLY DISPLAYED AT THE WORKSITE AND TO REMAIN VISIBLE UNTIL THE PROJECT, AND ALL REQUIRED INSPECTIONS, HAVE BEEN COMPLETED.

THE APPROVED DRAWINGS MUST BE KEPT AT THE WORKSITE AND BE AVAILABLE FOR REVIEW AT THE TIME OF ANY REQUIRED INSPECTIONS.

5.0 CONSTRUCTION INSPECTIONS:

IT SHALL BE THE DUTY OF THE HOLDER OF THE BUILDING PERMIT, OR THEIR DULY AUTHORIZED AGENT, TO NOTIFY THE BUILDING OFFICIAL WHEN WORK IS READY FOR INSPECTION:

BUILDING DEPARTMENT OF THE VILLAGE OF IRVINGTON.
65 MAIN STREET
IRVINGTON, NY 10633
TEL: (914) 591-8335
EMAIL: emaron@irvingtonny.gov
WEB SITE: www.irvingtonny.gov/81building

ANY PERSON OR ENTITY PERFORMING WORK FOR WHICH A BUILDING PERMIT HAS BEEN ISSUED SHALL KEEP SUCH WORK ACCESSIBLE AND EXPOSED UNTIL THE WORK HAS BEEN INSPECTED AND ACCEPTED BY THE AUTHORITY HAVING JURISDICTION, OR ITS AUTHORIZED AGENT, AT EACH ELEMENT OF THE CONSTRUCTION PROCESS THAT IS APPLICABLE TO THE WORK.

BUILDING PERMIT HOLDERS SHALL BE REQUIRED TO NOTIFY THE BUILDING OFFICIAL OF THE VILLAGE OF IRVINGTON WHEN CONSTRUCTION WORK IS READY FOR INSPECTION.

THE BUILDING OFFICIAL SHALL MAKE THE REQUIRED INSPECTIONS OR SHALL HAVE THE AUTHORITY TO ACCEPT WRITTEN REPORTS OF INSPECTION BY APPROVED AGENCIES OR INDIVIDUALS.

REQUIRED INSPECTIONS FOR THIS PROJECT MAY INCLUDE THE FOLLOWING, AS APPLICABLE, OR AS SPECIFIED IN THE CODE ENFORCEMENT PROGRAM OF THE VILLAGE OF IRVINGTON.

- WORKSITE PRIOR TO THE ISSUANCE OF A PERMIT
- PLUMBING*
- ELECTRICAL*
- MECHANICAL
- FRAMING (SUBSEQUENT TO THE INSPECTION & APPROVAL OF PLUMBING, ELECTRICAL & MECHANICAL)
- FIRE RESISTANT CONSTRUCTION
- FIRE RESISTANT PENETRATIONS
- ENERGY CODE COMPLIANCE
- A FINAL INSPECTION AFTER ALL WORK AUTHORIZED BY THE BUILDING PERMIT HAS BEEN COMPLETED
- ANY OTHER INSPECTIONS AS REQUIRED BY THE VILLAGE OF IRVINGTON.

ALL OF THE ABOVE INSPECTION MAY NOT BE REQUIRED FOR THIS, OR ANY GIVEN, PROJECT. A SCHEDULE OF REQUIRED INSPECTIONS IS AVAILABLE FROM THE BUILDING DEPARTMENT OF THE VILLAGE OF IRVINGTON.

*THE WORK APPLICABLE TO SOME OF THE ABOVE INSPECTIONS (FOR INSTANCE PLUMBING AND ELECTRICAL) SHALL BE COMPLETED UNDER A SEPARATE PERMIT, FILED BY THE RELEVANT LICENSED CONTRACTORS.

AFTER INSPECTION, THE WORK OR A PORTION THEREOF SHALL BE NOTED AS SATISFACTORY AS COMPLETED, OR THE BUILDING PERMIT HOLDER SHALL BE NOTIFIED AS TO THE MANNER IN WHICH THE WORK FAILS TO COMPLY WITH APPLICABLE CODES, INCLUDING A CITATION OF THE SPECIFIC CODE PROVISION OR PROVISIONS THAT HAVE NOT BEEN MET.

IT SHALL BE THE DUTY OF THE PERMIT HOLDER TO ASCERTAIN THE RESULTS OF REQUIRED INSPECTIONS.

CONSTRUCTION WORK NOT IN COMPLIANCE WITH APPLICABLE CODES SHALL BE REQUIRED TO REMAIN EXPOSED UNTIL IT HAS BEEN BROUGHT INTO COMPLIANCE WITH THE CODES, RE-INSPECTED, AND FOUND SATISFACTORY AS COMPLETED.

DEMOLITION:

THE CONTRACTOR SHALL:
DEMOLISH AND REMOVE ALL ELEMENTS NOTED IN THE DRAWINGS FOR DEMOLITION, AND AS REQUIRED FOR THE COMPLETION OF ALL WORK SHOWN ON THESE DRAWINGS.

ALLOW NO DEBRIS TO ACCUMULATE; HAUL AWAY FROM SITE ALL DEBRIS AT CONTRACTOR'S EXPENSE; REMOVE ALL DEBRIS ON A REGULAR BASIS AND MAINTAIN JOBSITE IN A CLEAN AND TIDY CONDITION.

FULLY PROTECT ALL STRUCTURES, BUILDING ELEMENTS, EQUIPMENT, APPLIANCES AND FINISHES THAT ARE TO REMAIN FROM DAMAGE CAUSED BY ANY OF THE CONTRACTORS' ACTIVITIES.

PROTECT ALL ADJACENT AREAS, AND ALL NEIGHBORING PROPERTY, FROM DAMAGE, INJURY AND DISCOMFORT CAUSED BY DUST.

PROTECT ALL PUBLIC PROPERTIES AND PREMISES FROM DAMAGE AND PREVENT ANY ACCUMULATION OF DEBRIS, DUST OR RUBBISH IN ANY PUBLIC AREA.

ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE CAUSED TO EXISTING ELEMENTS AND MAKE REPAIRS REQUIRED WITHOUT ADDITIONAL COST TO THE OWNER.

CONDUCT ALL DEMOLITION OPERATIONS IN SUCH A MANNER AS TO PREVENT UNAUTHORIZED ENTRY OF ANY PERSONS AT ANY TIME; POST APPROPRIATE SIGNAGE AS REQUIRED.

LOCATE ALL UTILITY AND DRAINAGE LINES PRIOR TO COMMENCEMENT OF DEMOLITION AND PROTECT ALL ACTIVE LINES AS REQUIRED. IDENTIFY CLEARLY ANY WORK THAT MAY RESULT IN THE INTERRUPTION OF ANY SERVICES WITHIN THE AREA OF WORK OR IN ANY ADJACENT SPACE OR PROPERTY AND COORDINATE SUCH INTERRUPTIONS WITH ALL INVOLVED PARTIES.

NOTIFY THE OWNER, UTILITY COMPANIES, FIRE DEPARTMENT, ALARM COMPANIES, ETC. OF ANY WORK AFFECTING THEIR SYSTEMS AS REQUIRED BY ALL APPLICABLE CODES, RULES, AND REGULATIONS.

MASONRY AND CONCRETE

CONCRETE
STRUCTURAL CONCRETE AND CONCRETING PRACTICES SHALL CONFORM WITH THE LATEST EDITION OF ACI 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ISSUED AND MAINTAINED BY THE AMERICAN CONCRETE INSTITUTE, AND AS NOTED BELOW.
ALL ACI REQUIREMENTS FOR HOT AND COLD WEATHERING CONCRETE MUST BE ADHERED TO.

STRENGTH:
CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS UNLESS OTHERWISE NOTED ON THE DRAWINGS:
FOUNDATION WALLS, SLAB ON GRADE: 4000 PSI, NORMAL WEIGHT
FOOTINGS AND PIERS: 4000 PSI, NORMAL WEIGHT
CONCRETE ON METAL DECK: 4000 PSI, NORMAL WEIGHT
ALL OTHER CONCRETE: 4000 PSI, NORMAL WEIGHT
ALL EXPOSED CONCRETE SHALL HAVE AN AIR ENTRAINING AGENT.

COVER:
MINIMUM CONCRETE COVER SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE ON THE DRAWINGS:
SLABS: 3/4"
WALLS: 1"
COLUMNS: 1 1/2"
EXPOSED TO WEATHER OR EARTH: 2"
CONCRETE PLACED AGAINST EARTH: 3"

REINFORCING STEEL:

DETAILS SHALL BE IN ACCORDANCE WITH ACI-315, DETAILS AND DETAILING OF CONCRETE REINFORCEMENT UNLESS OTHERWISE NOTED ON THE DRAWINGS.

ALL REINFORCING BARS SHALL CONFORM TO ASTM A615, GRADE 60 UNLESS REQUIRED TO BE WELDED AS SHOWN ON PLANS.

ALL REINFORCING BARS REQUIRED TO BE WELDED SHALL CONFORM TO ASTM A706, GRADE 50.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
SUPPORT WIRE FABRIC WITH CHAIRS OR LIFTS DURING CONCRETE PLACEMENT TO INSURE PROPER POSITION IN SLAB.

ALL REINFORCEMENT SHALL BE SECURELY HELD IN PLACE WHILE PLACING CONCRETE. IF REQUIRED, ADDITIONAL BARS OR STIRRUPS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS. REINFORCEMENT SHALL BE SECURED IN THE PROPER LOCATION IN THE FORMS WITH THE WIRE OR OTHER BAR SUPPORT SYSTEM TO PREVENT DISPLACEMENT DURING THE CONCRETE PLACEMENT OPERATION.

WHERE NOT SPECIFICALLY INDICATED ON THE DRAWINGS, SPLICING & EMBEDMENTS SHALL BE IN ACCORDANCE TABLE R608.5.4(1) LAP SPLICE AND TENSION DEVELOPMENT LENGTHS

STRUCTURAL STEEL:

STRUCTURAL STEEL MEMBERS:
STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

1. W-SHAPES: ASTM A992 (F_y = 50-65 KSI, F_u = 65 KSI)
2. M-, S- & HP-SHAPES: ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
3. CHANNELS (C & MC): ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
4. ANGLES (L): ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
5. STRUCTURAL TEES: SAME AS (THEIR) M-, S- & W-SHAPES
6. RECTANGULAR & SQUARE HSS: ASTM A500 GRADE B (F_y = 46 KSI, F_u = 58 KSI)
7. ROUND HSS: ASTM A500 GRADE B (F_y = 42 KSI, F_u = 58 KSI)
8. STEEL PIPE: ASTM A53 GRADE B (F_y = 35 KSI, F_u = 60 KSI)
9. PLATES & BARS (UP TO 8"): ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
10. PLATES & BARS (> 8"): ASTM A36 (F_y = 32 KSI, F_u = 58 KSI)

FASTENING PRODUCTS:
FASTENING PRODUCTS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:

1. H.S. A325 BOLTS: >1"-1 1/2" INC.: ASTM A325 (F_y = 70 KSI, F_u = 110 KSI)
H.S. A325 BOLTS: 1/2"-1" INC.: ASTM A325 (F_y = 70 KSI, F_u = 110 KSI)
2. H.S. A490 BOLTS: 1/2"-1 1/2" INC.: ASTM A490 (F_y = 110 KSI, F_u = 130 KSI)
3. HEAVY-DUTY HEX NUTS: ASTM A563 (F_y = 70 KSI, F_u = 110 KSI)
4. HARDENED WASHERS: 1/2"-1 1/2" INC.: ASTM A490 (F_y = XX KSI, F_u = 150 KSI)
5. H.S. A490 BOLTS: 1/2"-1 1/2" INC.: ASTM A490 (F_y = XX KSI, F_u = 150 KSI)
6. THREADED ROD: ASTM A36 (F_y = 36 KSI, F_u = 58-80 KSI)
7. ANCHOR ROD: ASTM F1554, GR. 55 (F_y = 36 KSI, F_u = 58-80 KSI)
8. FILLER (WELD) MATERIAL: PER TABLE 1.1 TABLE 3 (MINIMUM F_y = 70KSI)
OR AWS E70S OR AWS A5.20 (FCA PROCESS)
OR AWS A5.18, (GMAW PROCESSES)
OR AWS A5.1, (SMAW PROCESSES)
9. WELDING ELECTRODES:



EXISTING CONDITION
06.17.2025



EXISTING CONDITION
08.17.2025

PROPERTY ADDRESS:

IRVINGTON, NY 10533
(VILLAGE OF IRVINGTON
BUILDING DEPARTMENT)

S-B-L:

CLIENT:
*** **

TEL: ***
EMAIL: ***

DATE: 08.18.2025
ISSUE: PRELIMINARY

PROJECT NAME:
REPAIR CONCRETE DECK

DRAWING NAME:
COVER SHEET

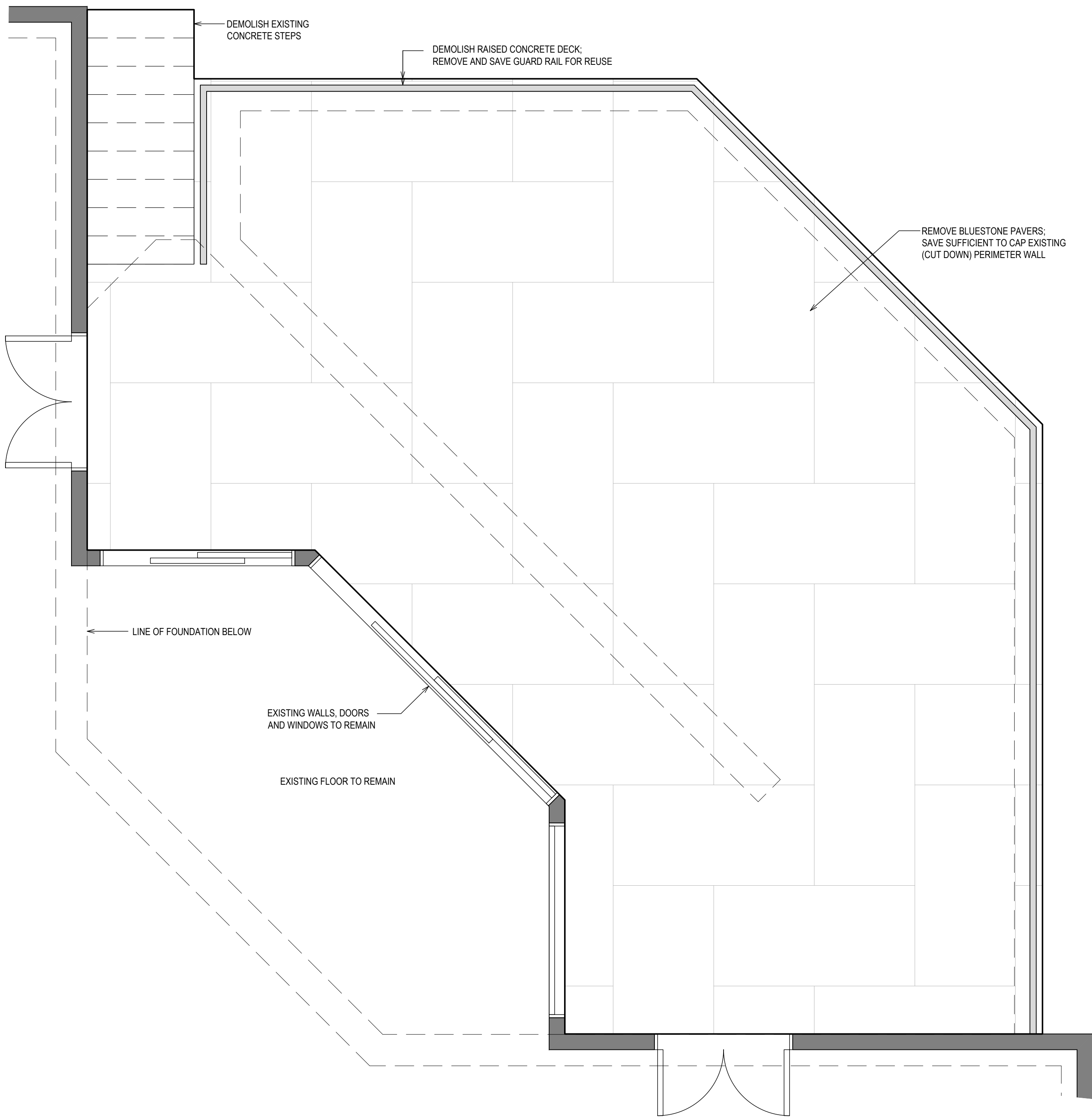
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DATE:
08.18.2025

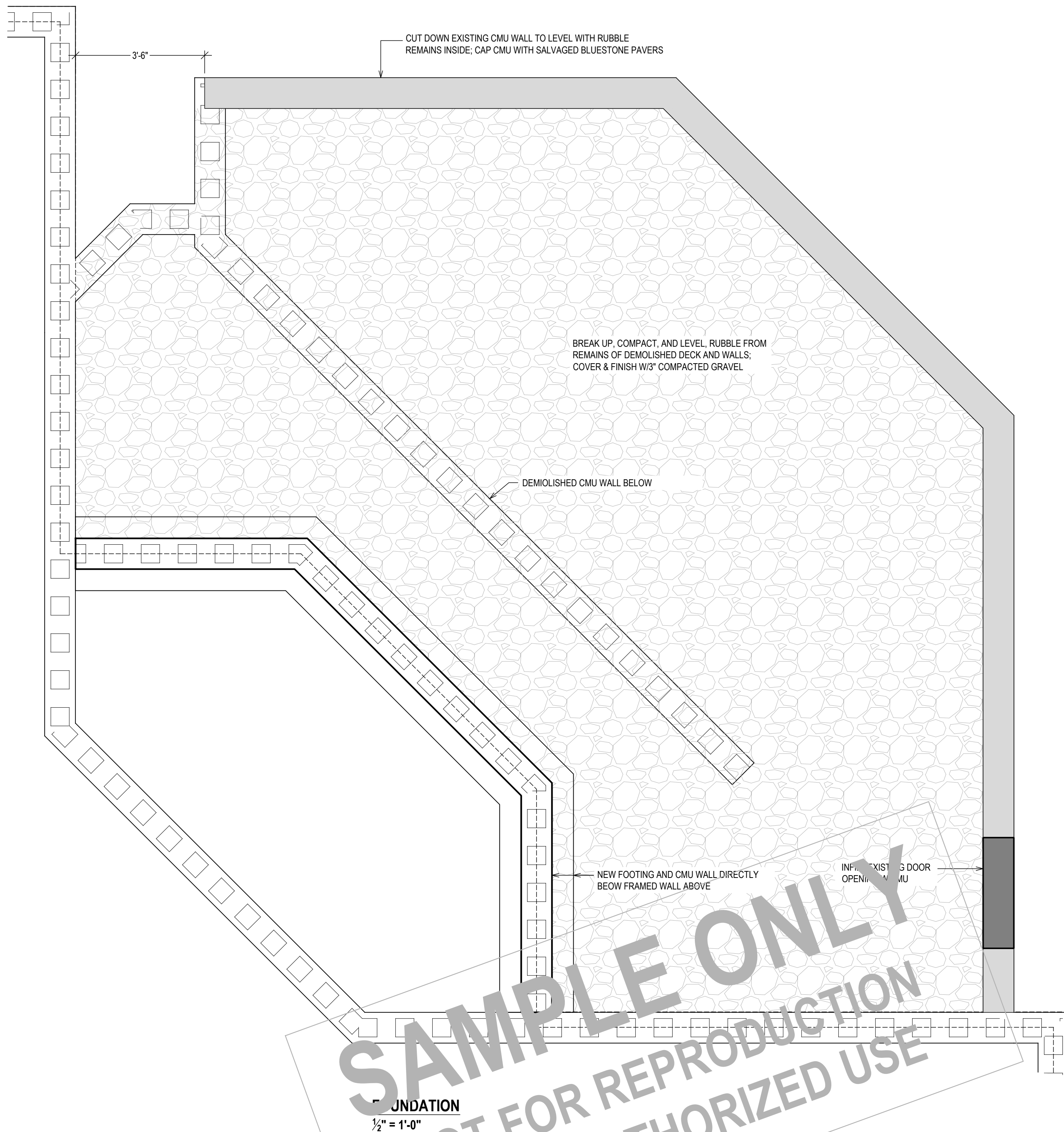
SCALE:
AS NOTED

NOTE:
THIS DRAWING IS VALID FOR CONSTRUCTION IF (AND ONLY IF) A PERMIT IS ISSUED, BASED ON THIS DRAWING, BY THE VILLAGE OF IRVINGTON.

Oliver Engineering, P.C.
Design - Permit Applications - Legalizations
Code Compliance - Project Supervision
188 North Main Street | Port Chester, NY 10573
(914) 774-5878 | www.proeng.nyc | vc@proeng.nyc



EXISTING AND DEMOLITION
1/2" = 1'-0"



SAMPLE ONLY
NOT FOR REPRODUCTION
OR UNAUTHORIZED USE

FOUNDATION
1/2" = 1'-0"

PROPERTY ADDRESS:

IRVINGTON, NY 10533
(VILLAGE OF IRVINGTON
BUILDING DEPARTMENT)

S-B-L:

CLIENT:
*** **

TEL: ***
EMAIL: ***

DATE: 08.18.2025
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PROJECT NAME:
REPAIR CONCRETE DECK

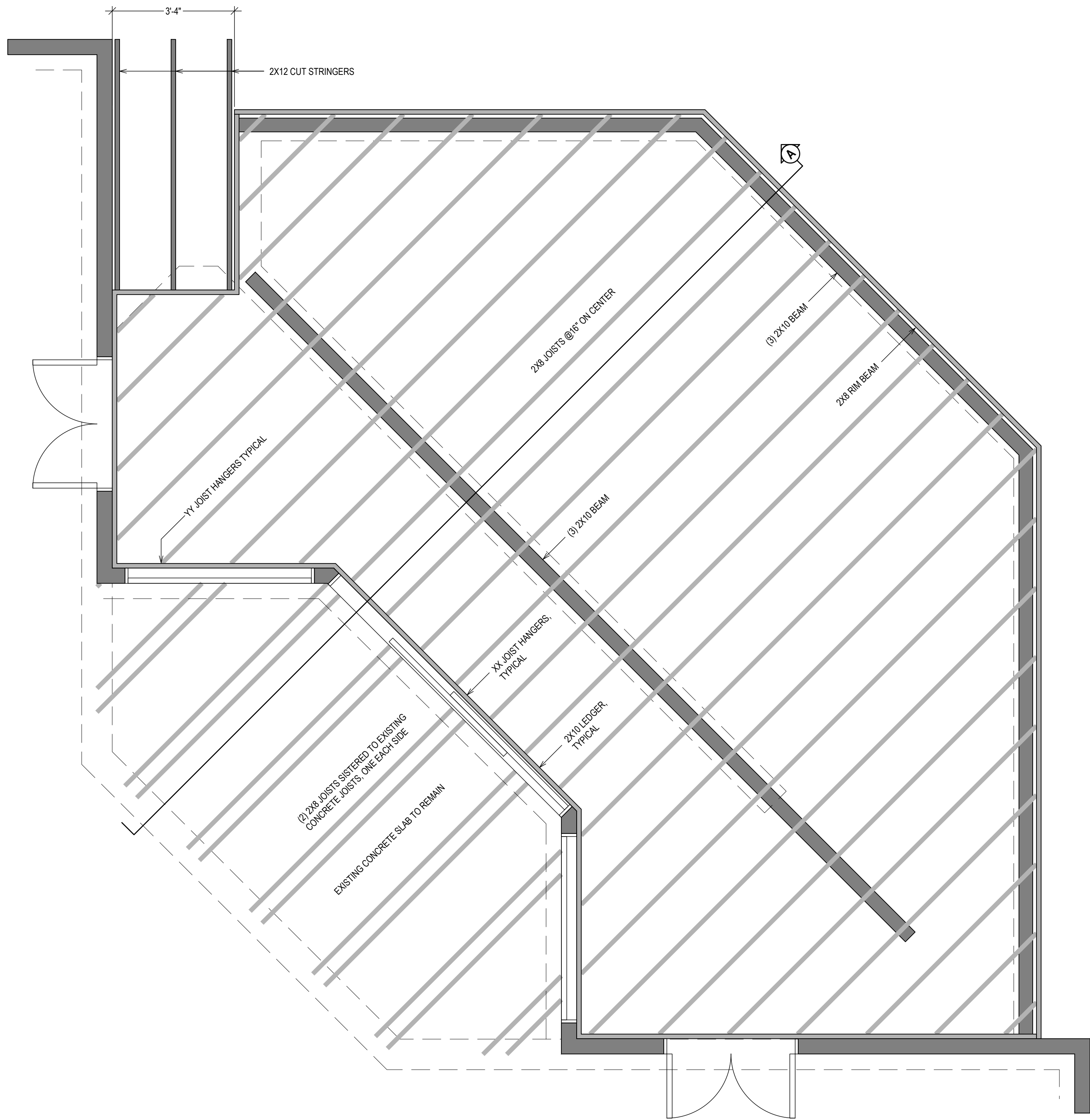
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FOUNDATION

DRAWING NUMBER:
S-06

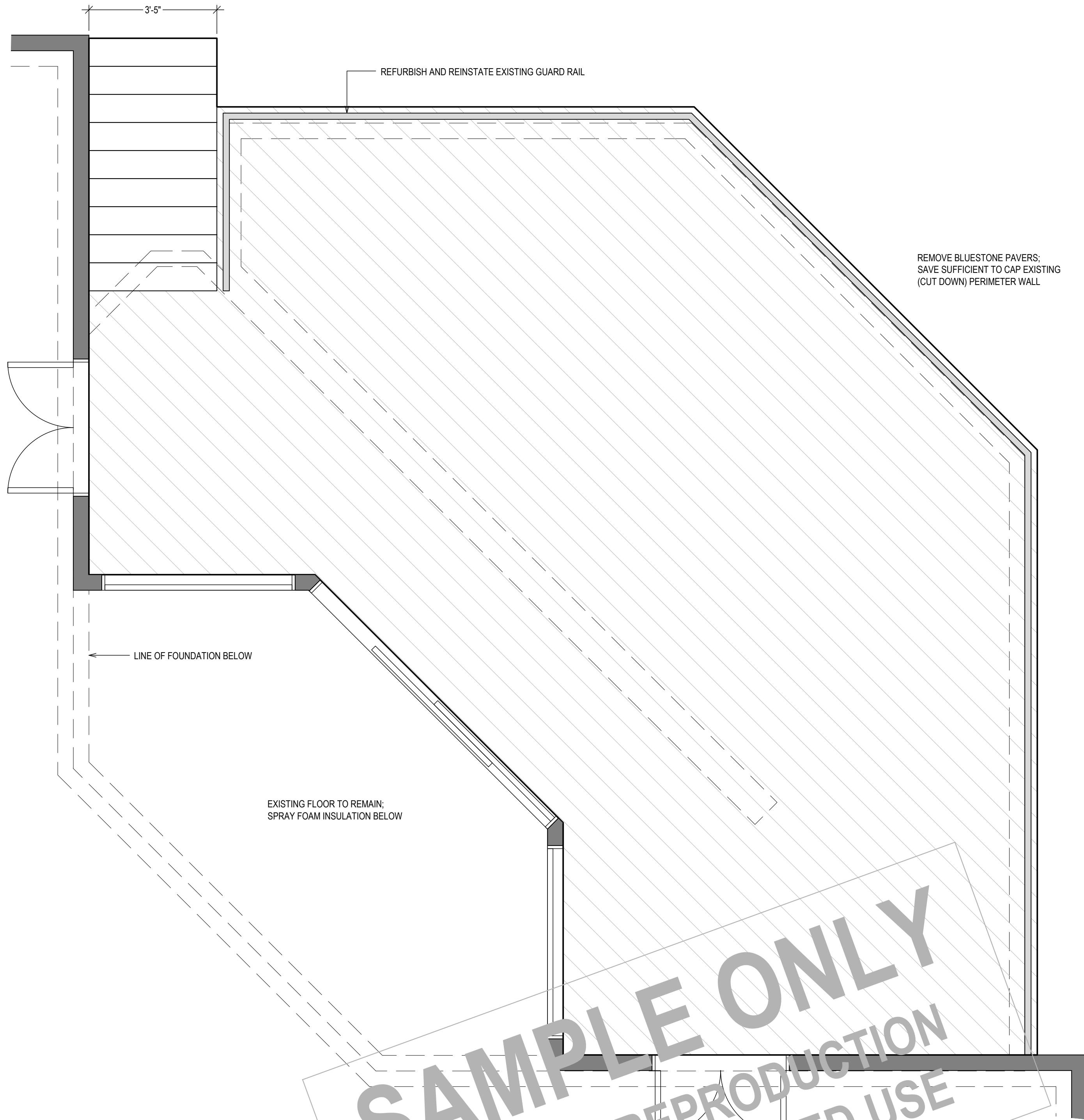
DATE:
08.18.2025

SCALE:
AS NOTED

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IRVINGTON.



FRAMING
1/2" = 1'-0"



FLOOR PLAN
1/2" = 1'-0"

PROPERTY ADDRESS:

IRVINGTON, NY 10533
(VILLAGE OF IRVINGTON
BUILDING DEPARTMENT)

S-B-L:

CLIENT:
*** ***

TEL: ***
EMAIL: ***

DATE: 08.18.2025
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PROJECT NAME:
REPAIR CONCRETE DECK

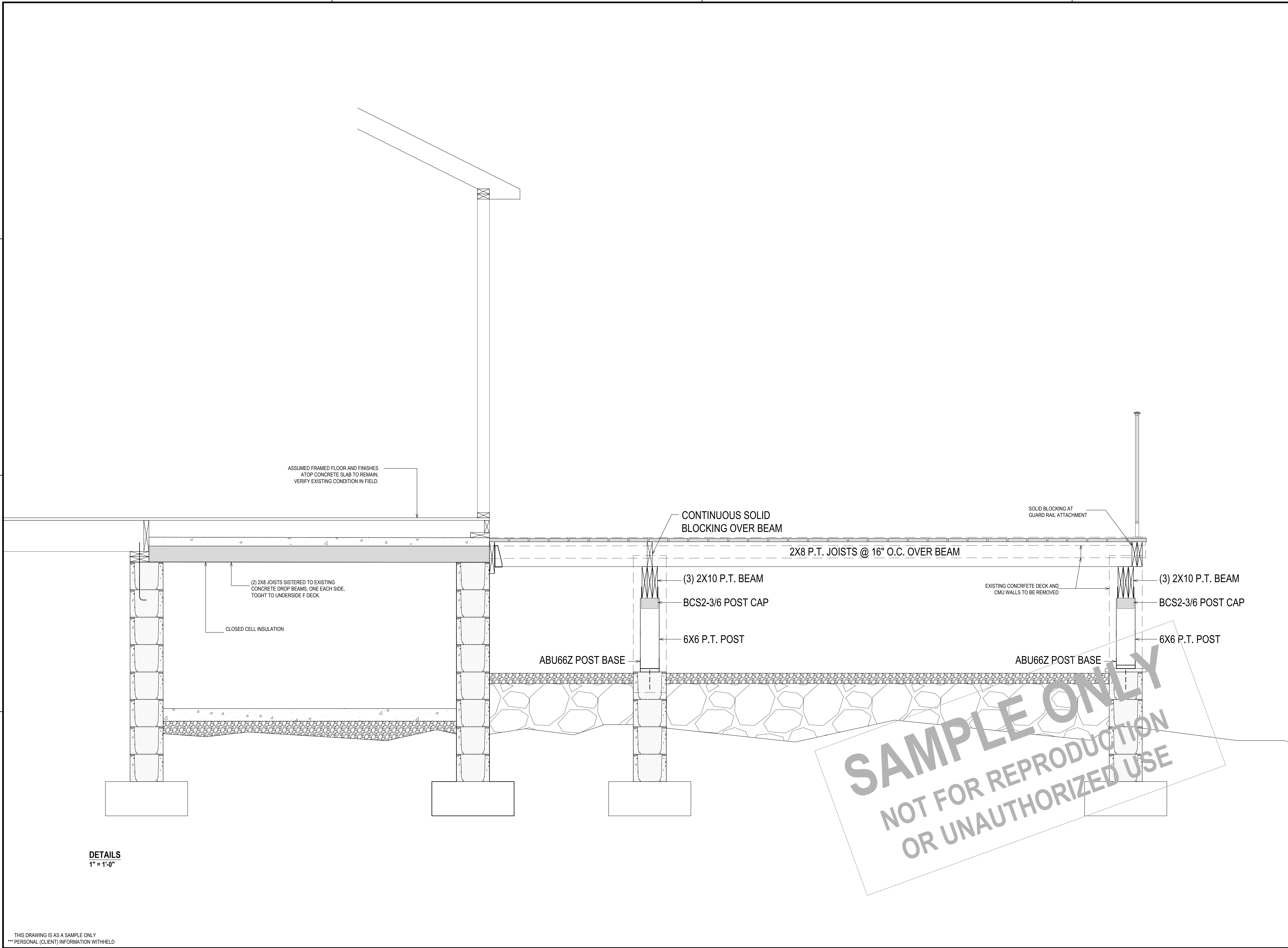
DRAWING NAME:
FRAMING

DRAWING NUMBER:
S-06

DATE:
08.18.2025

SCALE:
AS NOTED

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PERMIT IS ISSUED, BASED ON THIS
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IRVINGTON.



DETAILS
1" = 1'-0"

THIS DRAWING IS AS A SAMPLE ONLY
*** PERSONAL (CLIENT) INFORMATION WITHHELD

PROPERTY ADDRESS:

IRVINGTON, NY 10533
(VILLAGE OF IRVINGTON
BUILDING DEPARTMENT)

S-B-L:

CLIENT:
*** ***

TEL: ***
EMAIL: ***

DATE:
08.18.2025

ISSUE:
PRELIMINARY

PROJECT NAME:
REPAIR CONCRETE DECK

DRAWING NAME:
DETAILS

DRAWING NUMBER:
S-06

DATE:
08.18.2025

SCALE:
AS NOTED

NOTE:
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CONSTRUCTION IF (AND ONLY IF) A
PERMIT IS ISSUED, BASED ON THIS
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IRVINGTON.