GENERAL NOTES

DIMENSIONS, ELEVATIONS AND DETAILS SHOWN ON THESE DRAWINGS HAVE BEEN OBTAINED FROM OR BASED ON EXISTING DRAWINGS, LIMITED FIELD MEASUREMENT AND SURVEY. VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS WHICH MAY EFFECT FABRICATION AND CONSTRUCTION BEFORE THE COMMENCEMENT OF CONSTRUCTION WORK.

VISIT THE SITE BEFORE BIDDING TO FAMILIARIZE ONESELF WITH THE PRESENT CONDITIONS AND JUDGE THE EXTENT AND NATURE OF THE WORK TO BE PERFORMED UNDER THIS CONTRACT (SEE SPECIFICATIONS FOR PRE-BID INSPECTION REQUIREMENTS).

SHORE IN ACCORDANCE WITH SHORING NOTES AND REQUIREMENTS OF THE SPECIFICATIONS. SUBMIT SHORING PLANS FOR A/E REVIEW. SHORING PLANS SHALL INCLUDE THE DESIGN CALCULATIONS, SHORING SEQUENCE AND METHOD OF BRACING AND SIGNED AND SEALED BY A STATE OF NEW YORK LICENSED PROFESSIONAL ENGINEER.

DIRECT ATTENTION TO THE FACT THAT PRECISE EXTENT OF CONCRETE DETERIORATION CAN NOT BE KNOWN UNTIL CHIPPING AND REMOVAL PROCEEDS. AREAS MARKED FOR REPAIR, OR AREAS DESIGNATED FOR REPAIR ON THE PLANS ARE TO BE CONSIDERED TENTATIVE, SUBJECT TO FINAL DIRECTION AS THE WORK PROGRESSES. THE ACTUAL EXTENT OF REPAIRS, AND DETAILS TO BE INCORPORATED IN THE WORK, MAY CHANGE AS THE WORK PROGRESSES.

PERFORM WORK WITH CARE SO MATERIALS REMAINING IN PLACE WILL NOT BE DAMAGED. THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.

CAREFULLY REMOVE CONCRETE DESIGNATED FOR REMOVAL. DAMAGED WIRE MESH, SHALL BE REMOVED TO WITHIN 10" OF THE EDGE OF CONCRETE REMOVAL AND REPLACED. USE CARE AND LEAVE REINFORCING STEEL UNDAMAGED, UNTIL CONDITION HAS BEEN DETERMINED BY A LICENSED SITE INSPECTOR, ARCHITECT AND ENGINEERING TEAM.

CHIPPING HAMMERS FOR REMOVAL OF CONCRETE ON COLUMNS, SHALL BE AIR OR ELECTRIC POWERED, AND WEIGH NO MORE THAN 15 POUNDS WITH BITS REMOVED.

ERECT TRANSPARENT PLASTIC SHEETING AROUND THE ENTIRE WORK AREA, EXTENDING FULL HEIGHT, AND SECURED TO TEMPORARY NAILING STRIPS. A VACUUM BOX, WITH FANS AND MINIMUM OF 36 SQUARE FEET OF HEPA FILTER, SHALL WITHDRAW AIR FROM THE ENCLOSURE DURING DEMOLITION. FANS WILL WITHDRAW AND FILTER AIR AT THE RATE OF 2000 CUBIC FEET PER MINUTE.

DO NOT DROP WASTE CONCRETE, DEBRIS AND OTHER MATERIAL ONTO THE AREA BELOW AND/OR ADJACENT TO THE WORK AREA. USE PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES TO CATCH MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED. THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.

THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICES. PROTECTIVE DEVICES SHALL BE FURNISHED AND INSTALLED TO THE SATISFACTION OF THE ENGINEER

SAND BLAST OR WIRE WHEELED CLEAN EXPOSED REINFORCING STEEL FOR INSPECTION AND AGAIN PRIOR TO PLACEMENT OF NEW CONCRETE.

REPLACE REINFORCING STEEL FOUND WITH A REDUCTION OF 20% OR MORE IN CROSS-SECTIONAL AREA DUE TO CORROSION OR OTHER MEANS.
PERFORM SPLICING IN ACCORDANCE WITH REPAIR NOTES AND DETAILS FOUND IN THESE DRAWINGS.

CONCRETE SURFACES SHALL BE AIR BLASTED CLEAN OF DUST, DEBRIS OR SURFACE LAITANCE, PRIOR TO PLACING BONDING AGENT FOR NEW CONCRETE. REMOVE LOOSE FRAGMENTS.

EXISTING SIGNS AND OTHER ELEMENTS THAT DO NOT INTERFERE WITH CONSTRUCTION MAY REMAIN IN PLACE. PROTECT ELEMENTS DURING CONSTRUCTION. SIGNS AND OTHER ELEMENTS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED AND RE-INSTALLED AFTER REPAIR.

EXISTING WATER AND ELECTRIC POWER ARE AVAILABLE FOR THE CONTRACTOR TO CONNECT TO AND USE FOR CONSTRUCTION RELATED PURPOSES. CONNECTIONS AND FEED LINES ARE THE CONTRACTORS RESPONSIBILITY. VERIFY LOCATIONS AND CAPACITIES OF EXISTING UTILITIES AND SUPPLEMENT SERVICES AS REQUIRED BY CONSTRUCTION.

WHERE LIGHTING CIRCUITS ARE DE-ENERGIZED TO PERMIT CONSTRUCTION, OR DUE TO CONSTRUCTION ACTIVITY, PROVIDE TEMPORARY LIGHTING.

CONSIDER AND INCORPORATE OVERHEAD CLEARANCE LIMITATIONS IN SELECTING VEHICLES, EQUIPMENT, CONSTRUCTION METHODS, DEBRIS REMOVAL TECHNIQUES AND SITE ACCESS MEANS.

BECOME FAMILIAR WITH EXISTING FEATURES, SIGNS, PARKING BLOCKS, DRAIN AND SPRINKLER PIPING, AIR DUCTS/SHAFTS, BOLLARDS AND OTHER ELEMENTS AFFECTING THE WORK.

DURING WORK, SPACES RESERVED FOR THE HANDICAPPED SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER.

PROVIDE 3/4" CHAMFERS ON CORNERS OF POURED CONCRETE MEMBERS.

CONTRACTOR NEEDS TO TEST FOR ASBESTOS AND LEAD IN EXPANSION JOINTS, MEMBRANE, PAINT, AND OTHER NON-CONCRETE PRODUCTS.

ALL EXISTING MEMBRANE AND PAINT SHALL BE REMOVED PRIOR TO ANY CONCRETE REPAIRS ON ALL BEAMS, COLUMNS, FLOORS, SPANDRELS AND WALLS.

COLUMN REPAIR AND ENCASEMENT AND GENERAL REPAIR NOTES

- 1. ALL SUPPLEMENTAL REINFORCING SHALL BE EPOXY COATED.
- 2. SHORE JOISTS AND BEAMS AROUND COLUMN REPAIR AREA AT A MINIMUM OF FIVE (5) FEET FROM THE FACE OF THE EXISTING COLUMN IN ALL DIRECTIONS. SEE DETAILS 376/S353 AND 377/S353
- 3. SLAB AREA EXTENDING TWO (2) FEET FROM ALL SIDES OF THE EXISTING CONCRETE COLUMNS SHALL BE INCORPORATED INTO THE COLUMN REPAIR. SEE 301/S300.
- 4. SAW-CUT A ONE (1) INCH DEEP JOINT FOR THE EXTENDED SLAB AREA.
- 5. REMOVE A MINIMUM OF TWO (2) INCHES DEEP OF CONCRETE IN THE EXTENDED SLAB AREA. ALL DETERIORATED CONCRETE SHALL BE REMOVED IN BOTH THE SLAB AND COLUMN.
- 6. ALL DETERIORATED, LOOSE, OR SPALLING CONCRETE SHALL BE REMOVED IN THE EXTENDED CONCRETE SLAB AREA AND FROM ALL VERTICAL FACES OF THE CONCRETE COLUMN. ANY EXISTING REINFORCING WITH REINFORCING BARS EXPOSED MORE THAN 20% SHALL HAVE THE CONCRETE REMOVED ALL AROUND WITH A 1" GAP.
- 7. CLEAN EXPOSED REINFORCING STEEL BY ABRASIVE METHODS AND COAT WITH GROUT PASTE OR SIKADUR 32, HIMOD. ADD #5 BARS AS REQUIRED TO SUPPLEMENT DETERIORATED EXISTING REINFORCING BARS ADJACENT TO EXISTING REINFORCING.
- 8. ALL EXISTING COLUMN EXTERIOR SURFACES SHALL BE ROUGHENED BY ABRASIVE METHODS UP TO 5'-11" ABOVE EXISTING FINISH FLOOR (1" BELOW THE TOP OF CONCRETE ENCASEMENT). ALL PAINT SHALL BE REMOVED FROM COLUMN EXTERIOR SURFACES FOR THE FULL HEIGHT OF THE COLUMN USING DUMOND PEEL AWAY PAINT REMOVER..
- 9. FOUR (4) INCH CONCRETE ENCASEMENT OF COLUMN SHALL BE POURED WITH THE CONCRETE PRIOR TO THE SLAB CONCRETE BEING POURED. RECOMMEND TO USE SIKA 211 OR EQUIVALANT.
- 10. DO NOT REMOVE FORMS UNTIL NEW CONCRETE HAS REACHED SEVEN (7) DAYS OLD AND A MINIMUM CONCRETE STRENGTH OF 3500 psi BASED ON TESTING RESULTS.
- 11. APPLY BONDING AGENT (SUCH AS GROUT PASTE OR SIKADUR 32 HIMOD OR EQUIVALENT) TO THE COLUMN SURFACE AND SLAB AREA JUST PRIOR TO POURING THE NEW CONCRETE, DO NOT ALLOW TO HARDEN.
- 12. POUR SLAB AREA AROUND COLUMN ENCASEMENT

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WOJCIECH TROCKI

DAN STEVENS

- 13. SLAB AREAS SHALL BE CURED BY COVERING FOR A MINIMUM OF TWO (2) DAYS AND A MINIMUM CONCRETE STRENGTH OF 3500 psi.
- 14. APPLY POLYURETHANE SEALANT AS DEFINED IN SPECIFICATION.
- 15. PAINT COLUMNS TO MATCH ORIGINAL.

IN CHARGE OF

CHECKED BY

MADE BY

16. SEE SHEET S300 SERIES FOR COLUMN ENCASEMENT REPAIR DETAILS.

GENERAL REPAIR NOTES

PLACE AND SECURE FORMING TO PREVENT ANY MOVEMENT OF CONCRETE DURING PLACEMENT OR CURING. CLEAN STEEL AND CONCRETE BY AIR AND/OR SAND BLASTING TECHNIQUES AS DIRECTED BY THE ENGINEER. PRIOR TO PLACEMENT OF NEW CONCRETE.

THE CONCRETE QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.

AREAS SHOWING EXPOSED CORRODED STEEL BARS MUST BE CLEANED OF ALL CORRODED MATERIAL, OIL, OR DIRT BY SANDBLASTING OR BY WIRE BRUSHING. CONCRETE SHALL BE REMOVED TO EXPOSE SOUND STEEL OF LENGTH REQUIRED FOR LAP WITH NEW STEEL AND TO A DEPTH OF NOT LESS THAN ONE INCH BEHIND THE REINFORCING STEEL. AREAS EXPOSING NON-CORRODED STEEL BARS SHALL BE CLEANED AND CONCRETE SHALL BE KEYED BY REMOVAL OF CONCRETE A MINIMUM OF ONE INCH BEHIND THE BARS TO INSURE THE BOND BETWEEN THE NEW CONCRETE AND THE REINFORCING BARS.

SANDBLAST ALL CONCRETE SURFACES RECEIVING NEW CONCRETE. JUST PRIOR TO THE APPLICATION OF NEW CONCRETE, THE SURFACES SHALL BE AIR CLEANED, WET DOWN AND COATED WITH A THIN COATING OF 1:1 MORTAR OR NEAT CEMENT PASTE THOROUGHLY BRUSHED INTO THE SURFACE. IT WILL NOT BE NECESSARY TO BRUSH THE MORTAR INTO SURFACES MADE INACCESSIBLE BY MESH OR CLOSELY SPACED REINFORCEMENT WHEN SO DETERMINED BY THE ENGINEER. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK. THE COST SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS CONCRETE ITEMS IN THE CONTRACT.

THE CONTRACTOR SHALL IDENTIFY THE CONCRETE SUPPLIER FOR APPROVAL, PRIOR TO PROCEEDING. AS A MINIMUM, THE SELECTED CONCRETE SUPPLIER MUST PROVIDE DOCUMENTATION WITH EACH LOAD OF CONCRETE DELIVERED WHICH GIVES THE FOLLOWING INFORMATION:

A. CEMENT CONTENT BY WEIGHT.

- B. AGGREGATE CONTENT BY WEIGHT, FOR THE VARIOUS TYPES.
- C. ADMIXTURES, BY TYPE AND AMOUNT.
 D. WATER ADDED, BY WEIGHT.
- E. MOISTURE CONTENT OF ALL AGGREGATE, AND EQUIVALENT MIX WATER.
- F. DATE OF BATCHING.
 G. TIME OF BATCHING.

CONCRETE COMPREHENSIVE STRENGTH IS TO BE A MINIMUM OF 3500 PSI AT 7 DAYS AND 5000 PSI AT 28 DAYS AS MEASURED IN ACCORDANCE WITH ACI 318. GREATER STRENGTH IS EXPECTED FOR THE REQUIRED MIXTURE, SINCE DENSITY AND LOW POROSITY ARE THE MOST DESIRABLE CHARACTERISTICS OF THE FINISHED CONCRETE.

ADD WWR 4 X 4 - W4.0 X W4.0 TO ALL SLAB REPAIRS UNLESS NOTED OTHERWISE (U.N.O.) (MINIMUM CONCRETE COVER OF 11/2")

ALL FLOOR SLABS SHALL BE FLOAT FINISHED FOLLOWED BY A LIGHT BROOM FINISHING. FINISHING WILL NOT COMMENCE UNTIL AFTER THE CONCRETE HAS ACHIEVED INITIAL SET. IN NO INSTANCE WILL THE FRESH CONCRETE BE DISTURBED WHILE SURFACE WATER IS VISIBLE, OR WHILE A STEEL TROWEL CAN MAKE VISIBLE FURROWS IN THE SURFACE OF THE MATERIAL.

WET CURING BLANKETS WILL BE PLACED AND MAINTAINED IN A WET CONDITION FOR A MINIMUM OF 72 HOURS AFTER FINISHING OF NEW CONCRETE. CURING COMPOUNDS WILL ONLY BE PERMITTED WHERE THIS IS NOT POSSIBLE.

CONTRACTOR TO MAINTAIN BARRICADES AND CONTROLS TO PROHIBIT ALL LIVE LOADS ON THE NEWLY PLACED CONCRETE FOR A MINIMUM OF 7 DAYS AFTER PLACEMENT (FOR ALL NON-RAMP CONCRETE), OR AS DIRECTED BY THE ENGINEER.

STRIP FORMS CONCURRENTLY WITH REMOVAL OF SHORING.

DUE TO THE HIGH WATER TABLE, THE FLOOR OF THE B3 LEVEL WILL OFTEN PUDDLE. THE CONTRACTOR WILL REMOVE ANY WATER ACCUMULATING AROUND THE BASES OF THE COLUMNS IN ORDER TO PERFORM THE REPAIR WORK. THE COST OF REMOVING THIS WATER WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE REPAIR ITEMS.

UTILITY NOTES

CONTRACTOR WILL USE REFERENCE DRAWINGS ATTACHED TO MARK THE LOCATION OF CONDUIT, JUNCTION BOXES AND OTHER EMBEDDED ELECTRICAL EQUIPMENT AS DESCRIBED IN THE APPROPRIATE SPECIFICATION ITEMS. CONCRETE REMOVAL IN AREAS WHERE PIPES, CONDUITS OR OTHER EMBEDDED OR SUSPENDED ITEMS ARE PRESENT WILL BE DONE WITH THE UTMOST CARE TO PREVENT DAMAGE.

EXPOSED (SURFACE MOUNTED) CONDUITS AND LIGHTING FIXTURES WHICH INTERFERE WITH THE PROPOSED WORK SHALL BE MOVED AND PROTECTED DURING CONSTRUCTION, AND REINSTALLED AFTER CONCRETE WORK IS COMPLETE.

ANY DAMAGE DONE TO CONDUIT OR BOXES BY THE CONTRACTORS OPERATIONS SHALL BE REPAIRED BY INSTALLATION OF A NEW JUNCTION BOX OR INSTALLING A NEW SECTION OF CONDUIT TO REPLACE THE DAMAGED SECTION. NEW CONDUCTORS SHALL BE INSTALLED IN THE SECTION OF CONDUIT OF THE SAME GAUGE AS THAT REMOVED. NO SPLICING OF CONDUCTORS WITHIN CONDUIT SHALL BE PERMITTED. PAYMENT TO THE CONTRACTOR FOR THE COST OF REPAIRS, IF REPAIRS ARE DIRECTED BY THE ENGINEER OR IF CONDUIT AND JUNCTION BOXES ARE FOUND AWAY FROM THE AREAS MARKED AS IN THE NOTE ABOVE, SHALL BE AS DESCRIBED IN THE APPROPRIATE SPECIFICATION SECTIONS. THE COST OF REPAIRS, INCLUDING REPLACEMENT OF CONDUCTORS, IF DAMAGED BY CONTRACTOR OPERATIONS IN AREAS MARKED AS CONTAINING CONDUIT, SHALL BE INCLUDED IN THE APPROPRIATE UNIT PRICE FOR THE TYPE OF REPAIR WHICH WAS UNDERWAY AT THE TIME OF THE DAMAGE

SPRINKLER SYSTEM IS TO REMAIN OPERATIONAL AT ALL TIMES. SPRINKLER PIPES AND HEADS WHICH INTERFERE WITH THE PROPOSED WORK SHALL BE TEMPORARILY SUPPORTED AND MAY BE MOVED WITH THE APPROVAL OF THE ENGINEER. THEY SHALL BE PROTECTED FROM ANY DAMAGE, AND RESTORED TO THE INITIAL POSITION AFTER OTHER WORK IS COMPLETED. SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

SHORING NOTES

INITIALLY, STEEL SHORING POSTS WITH A MINIMUM CAPACITY OF 10 KIPS EACH, SHALL BE INSTALLED AT 6 FEET CENTERS, A MINIMUM OF 6 FT AHEAD OF THE WORK IN ALL AREAS WHERE REPAIRS ARE CONTEMPLATED. COORDINATE WITH PHASING PLANS.

TIMBERS MEASURING A NOMINAL 4" X 4" SHALL BE PLACED UNDER THE POSTS FOR LOAD DISTRIBUTION.

AS THE WORK PROGRESSES, A DETERMINATION WILL BE MADE BY THE CONTRACTOR OF WHETHER TENSION REINFORCING IS LIKELY TO BE EXPOSED IN THE AREA CONTRIBUTING LOAD TO THE SHORING.

WHERE TENSION STEEL IS EXPOSED, ADDITIONAL SHORING AT A MINIMUM OF EACH RIB INTERSECTION OR 3' ON CENTER WILL BE PLACED. ALL SHORING AND FORM WORK IS PART OF THE REPAIRS, AND IS INCLUDED IN THE PRICE PER SQUARE FOOT FOR EACH REPAIR, WHETHER OR NOT ANY REPAIRS ARE ACTUALLY CARRIED OUT OVER THE SHORING.

NO ADJUSTMENT IN STEEL SHORING SHALL BE PERMITTED AFTER THE REMOVAL OF THE DEAD LOAD.

SHORING SHALL REMAIN IN PLACE UNTIL CONCRETE HAS REACHED A COMPRESSIVE STRENGTH OF 3500 PSI BASED ON TESTING RESULTS.

SEE DETAILS 376 & 377 ON SHEET S353 FOR SHORING.

EQUIPMENT AND LOADING

THE CONTRACTOR IS TO BE AWARE THAT THE PARKING STRUCTURE HAS LIMITED VERTICAL CLEARANCES AND SHALL SELECT HIS EQUIPMENT ACCORDINGLY.

DESIGN LIVE LOADING FOR ALL AREAS OF THE GARAGE, UNLESS OTHERWISE NOTED IS 50 LBS PER SQUARE FOOT. THE CONTRACTOR SHALL SELECT HIS EQUIPMENT ACCORDINGLY AND SUBMIT HIS PROPOSED EQUIPMENT LOADING (PREPAIRED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK) FOR REVIEW AND APPROVAL PRIOR TO THE START OF THE WORK.

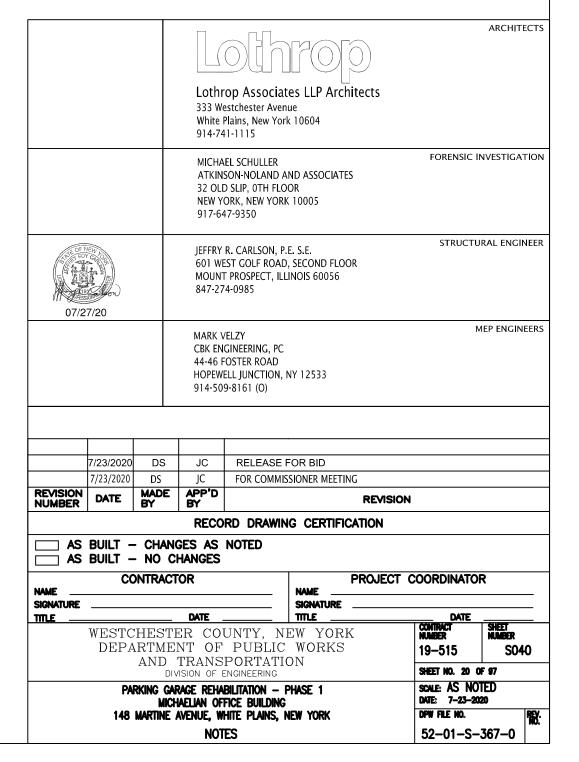
MAINTENANCE AND PROTECTION OF TRAFFIC

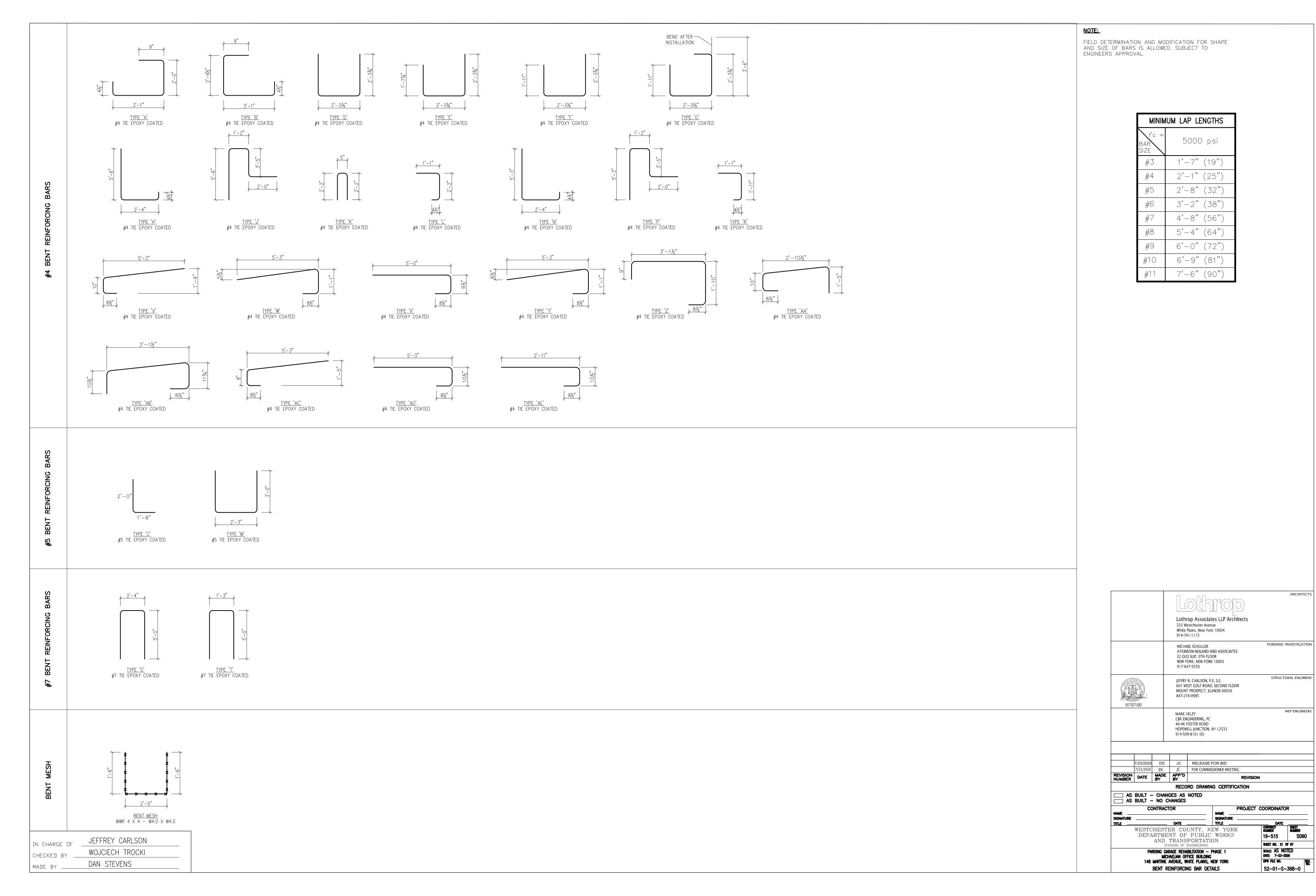
NO MORE THAN 50 PARKING SPACES MAY BE TAKEN OUT OF SERVICE AT ANY GIVEN TIME UNLESS DIRECTED BY THE ARCHITECT OR ENGINEER.

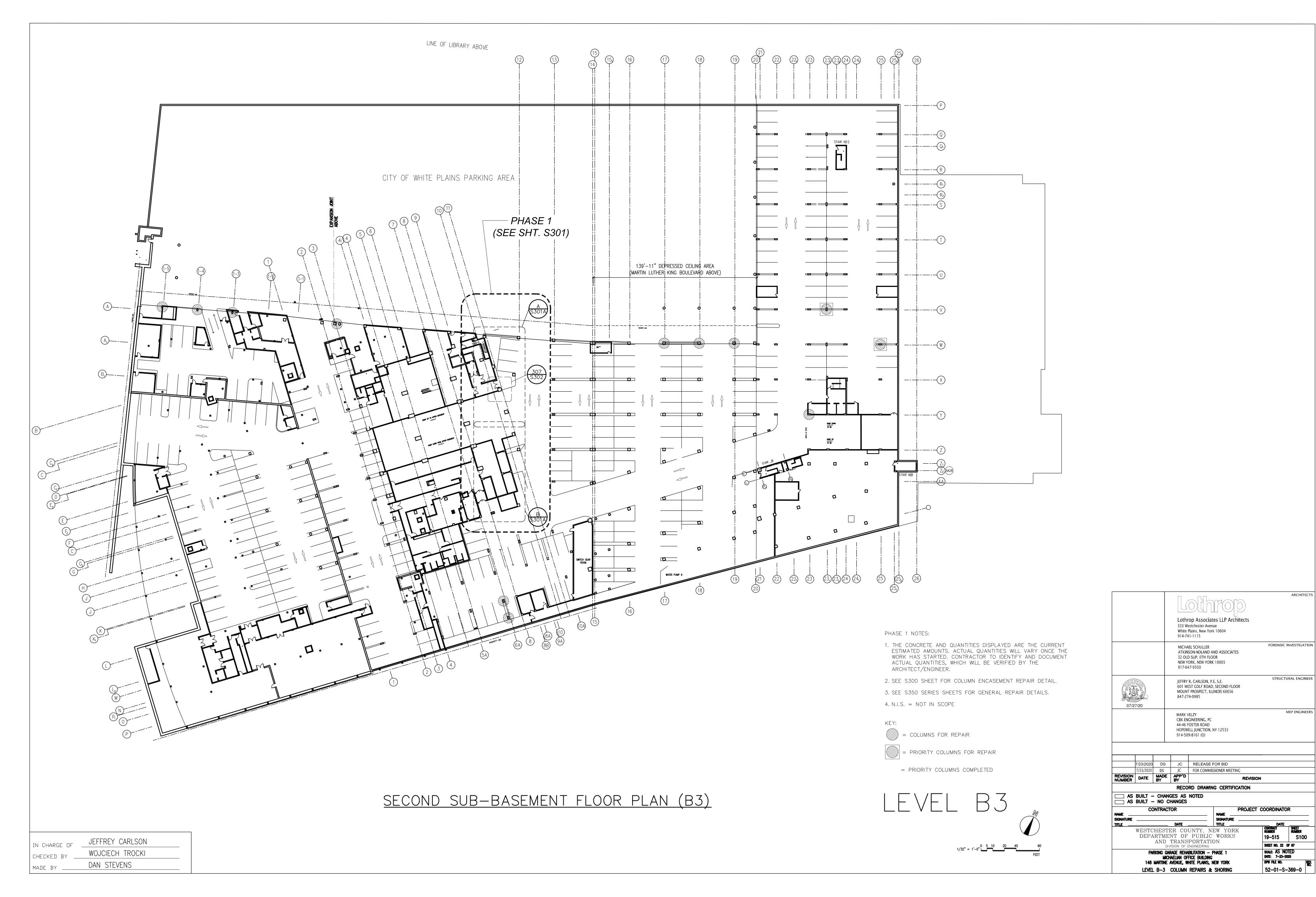
ACCESS TO EXISTING DOORWAYS AND FIRE EXITS MUST BE MAINTAINED AT ALL TIMES.

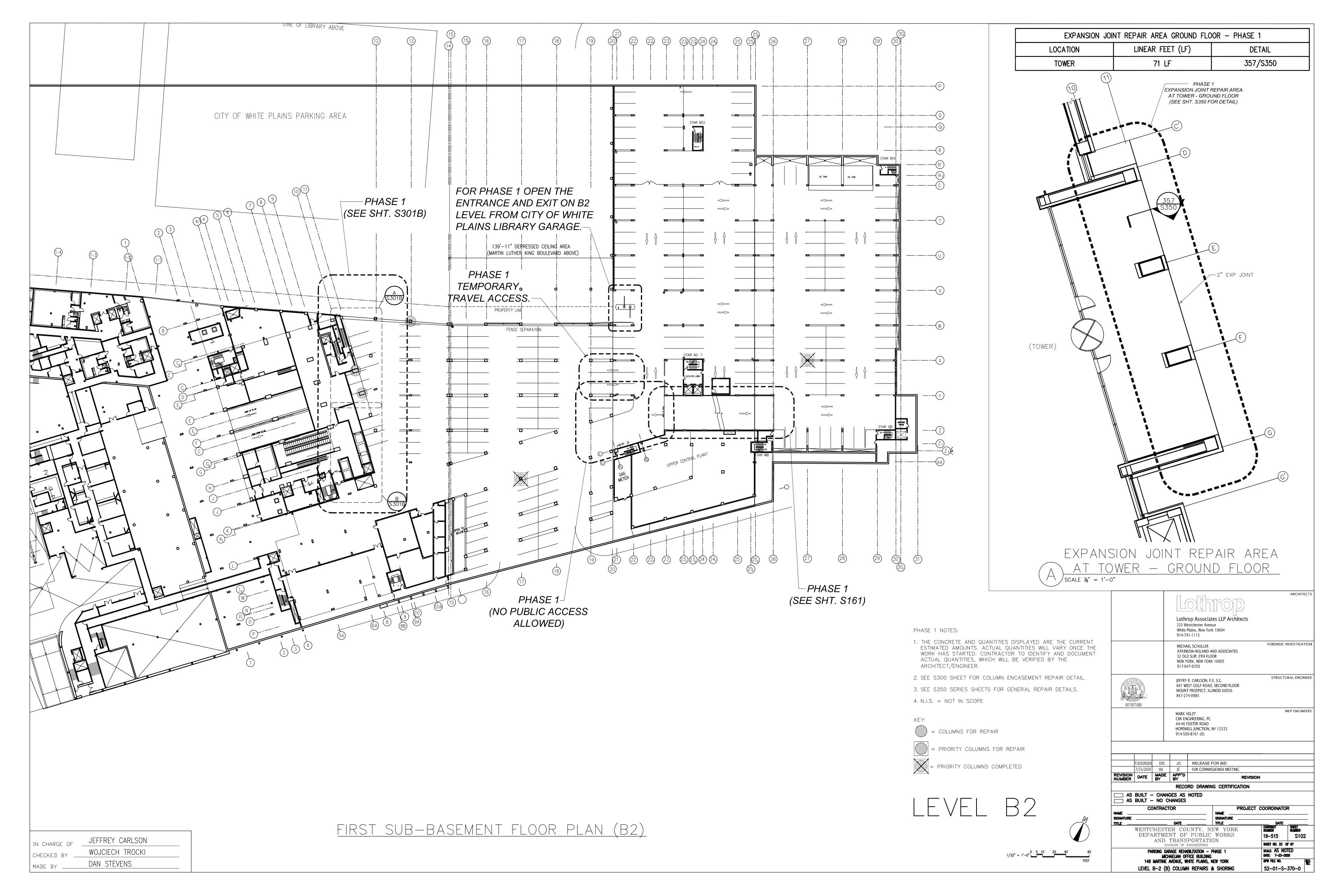
NOTES FOR RAMP REPAIRS

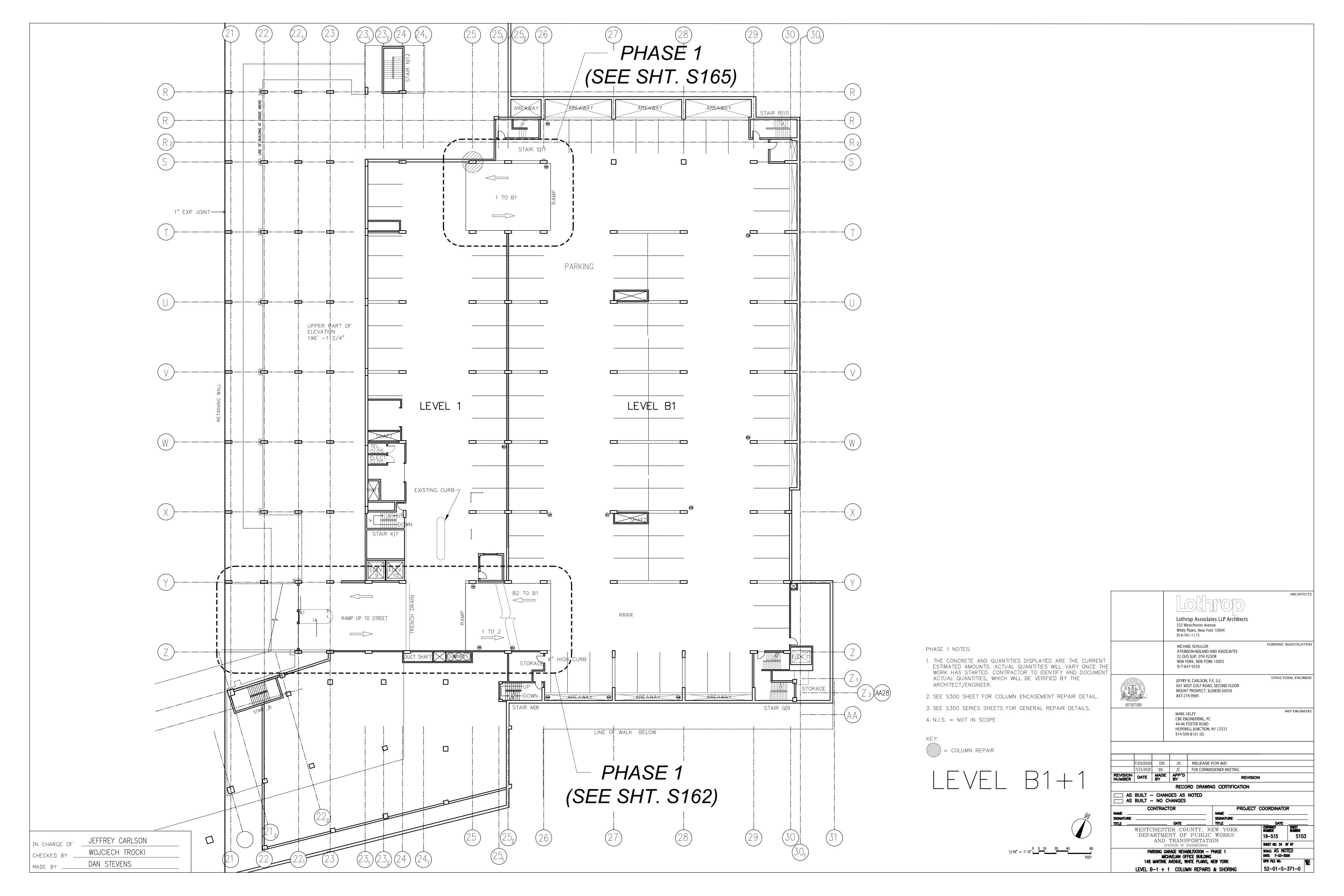
- 1. PROVIDE POST SHORING FOR EXISTING CONCRETE RAMP SLAB ON EACH SIDE OF THE BEAMS TO A MINIMUM OF TWO LEVELS
- 2. REMOVE DETERIORATED CONCRETE FROM THE SIDES AND UNDERSIDE OF THE EXISTING CONCRETE BEAM.
- 3. FOLLOW REPAIR NOTES OUTLINED ON DRAWING S-040 FOR ADDITIONAL NOTES.
- 4. PATCH REPAIR THE EXISTING CONCRETE BEAM ALL THE WAY AROUND THE EXPOSED SURFACE.
- 5. PROVIDE SUPPLEMENTAL REINFORCING AS OUTLINED ON DRAWINGS.
- 6. REMOVE FORMWORK AND SLAB SHORING AFTER THE BEAM CONCRETE REPAIR PATCHES HAVE CURED FOR SEVEN (7) DAYS. CONCRETE STRENGTH SHALL BE A MINIMUM OF 3500 PSI BASED ON TESTING RESULTS.
- 7. ADD SHORING UNDER THE CENTER OF THE REPAIRED BEAM A MINIMUM OF ONE (1) LEVEL BELOW.
- 8. REMOVE THE ENTIRE RAMP SLAB ON EACH SIDE OF THE BEAM AND OVER THE TOP OF THE EXISTING BEAM.
- 9. PLACE SHORING AND FORM WORK REQUIRED TO REPOUR THE RAMP SLABS.
- 10. PLACE NEW EPOXY COATED REINFORCING AS SHOW ON DETAILS FOR NEW CONCRETE RAMP SLABS.
- 11. REPOUR SLAB AREA 8-INCH CONCRETE MINIMUM 5000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
- 12. REMOVE RAMP SLAB SHORING AND FORMS AFTER THE CONCRETE HAS CURED FOR SEVEN (7) DAYS. CONCRETE COMPRESSIVE STRENGTH SHALL BE A MINIMUM OF 3500 PSI.
- 13. AFTER 28 DAYS (OR MANUFACTURER REQUIREMENTS) APPLY THE WATERPROOF MEMBRANE TO THE TOP SURFACE OF THE RAMP SLABS.

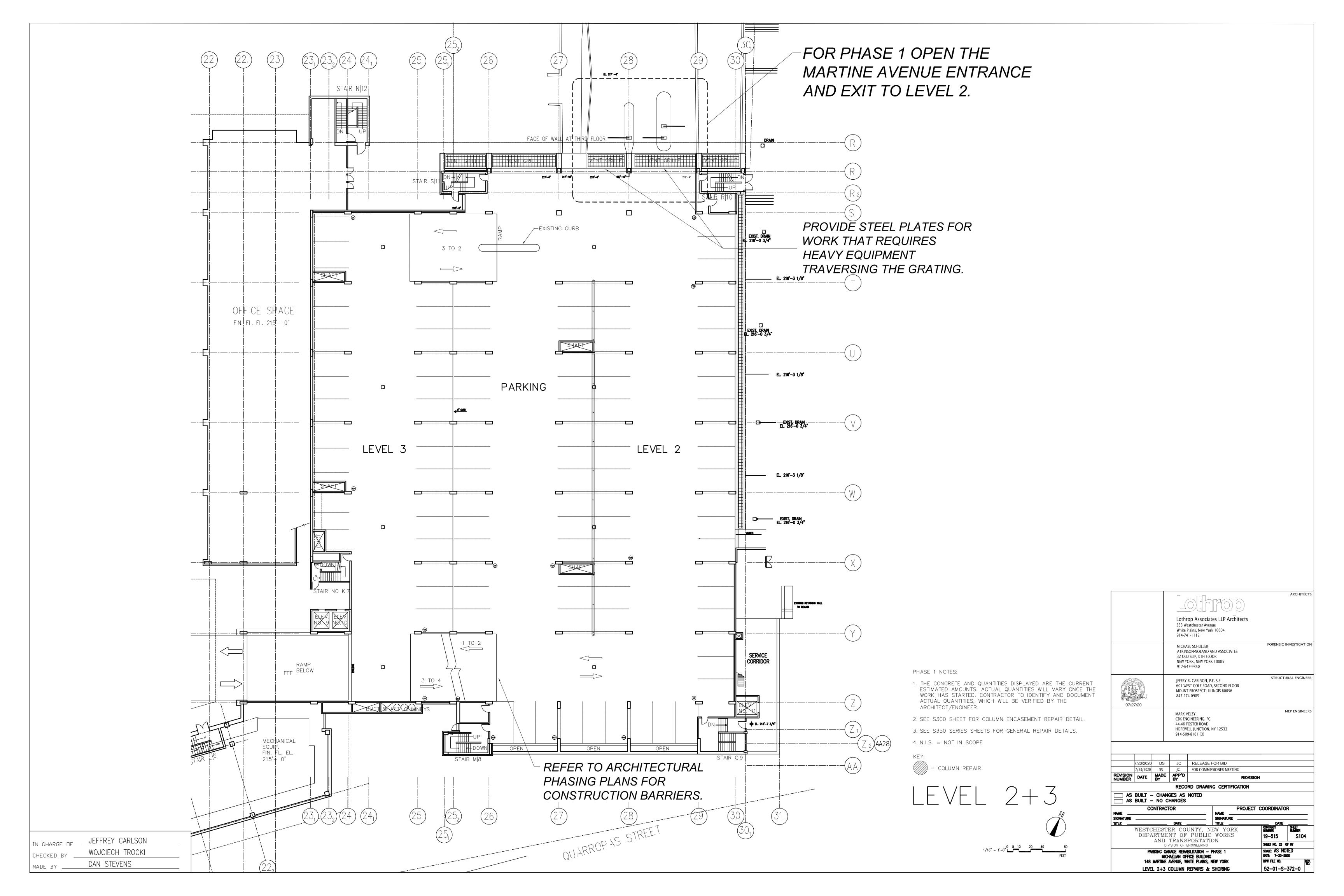


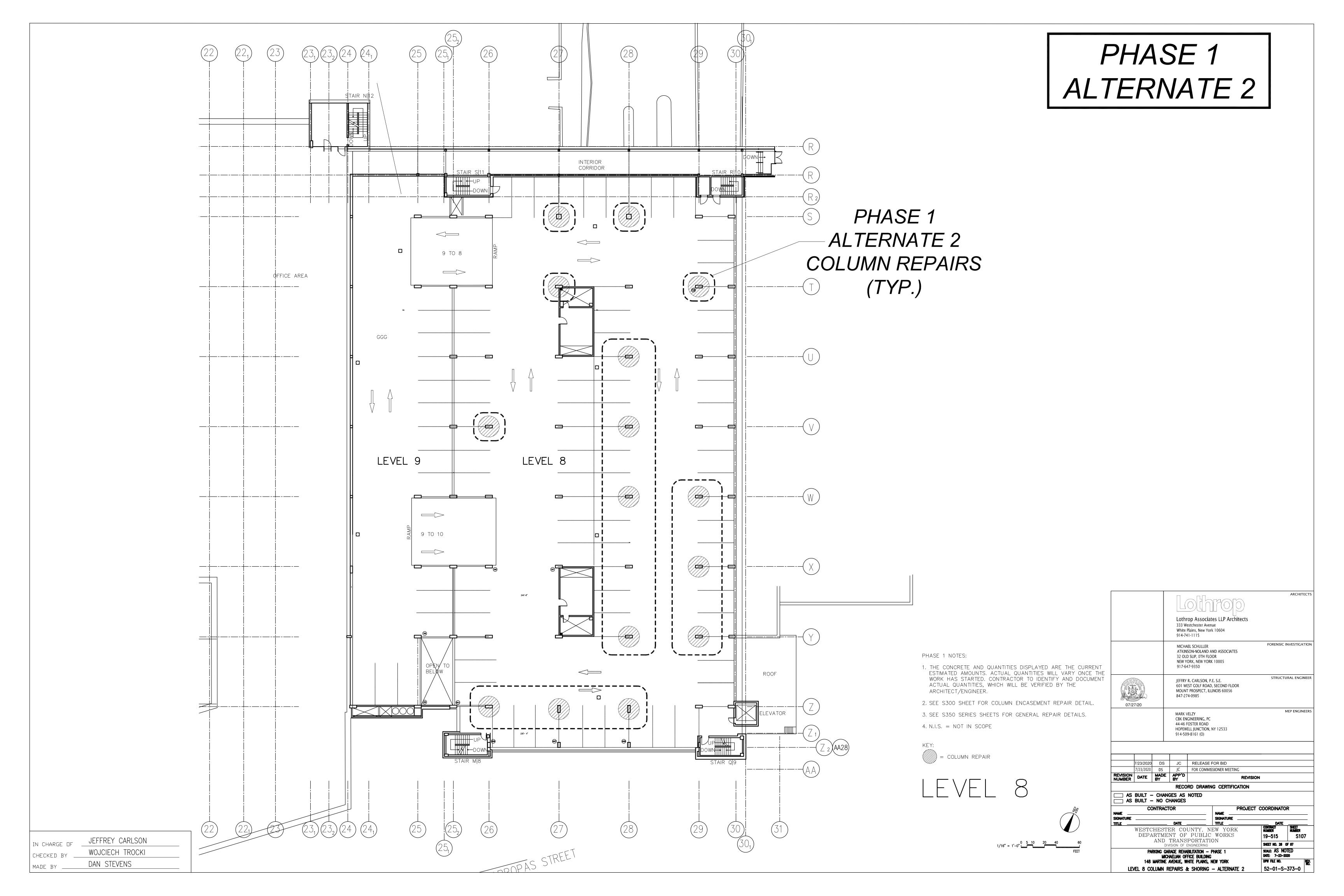












PHASE 1 ALTERNATE 1

ı			
	EXPANSION JOI	NT REPAIR AREA GROUND FLO	OOR - PHASE 1
	LOCATION	LINEAR FEET (LF)	DETAIL
	EAST SIDE	314 LF	370 & 372/S352
	WEST SIDE	192 LF	370 & 372/S352

NOTES:

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- CARE MUST BE TAKEN WHEN REMOVING DELAMINATIONS IN CONCRETE ELEMENTS DUE TO CONDUIT.
- 3. SEE SHEETS S352 & S353 FOR EXPANSION JOINT REPAIR DETAILS.

PHASE 1	2" EXP JOINT—
EXPANSION JOINT REPAIR AREA (15) (16) (17) (18)	19 PARKING
AT TOWER - GROUND FLOOR / 1	
(SEE DETAIL 'A'/S102)	UPPER PART OF ELEVATION 196' -1 3/4"
CITY OF WHITE PLAINS SIDE PROPERTY LINE COUNTY SIDE	LEVEL 1 LEVEL B1
	372 370 370 370 370 370 370 370 370 370 370
TO EXP JOINT	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
(TOWER)	
2" EXP JOINT————————————————————————————————————	Z DUCT SHAFT NOWS STORAGE Z
	STORAGE TO Z 2 (AA28)
	STAIR 019 UPPER PART OF CENTRAL PLANT STAIR MIB STAIR 019 PROPERTY LINE PROPERTY LINE OF WALK BELOW
	222
	21 22 23 23 23, 24 24, 25 25, 26 27 28 29 30 31 (20) (30)
	OUARROPAS STREET (25)
DH	IASE 1 ALTERNATE 1
	SION JOINT REPAIR AREA
0 1	S352 & S353 FOR DETAILS)

PHASE 1 ALTERNATE 1

EXPANSION JOINT REPAIR

AREA

(SEE SHTS. S352 & S353 FOR

DETAILS)

LINE OF LIBRARY ABOVE

CITY OF WHITE PLAINS

PUBLIC LIBRARY

IN CHARGE OF JEFFREY CARLSON

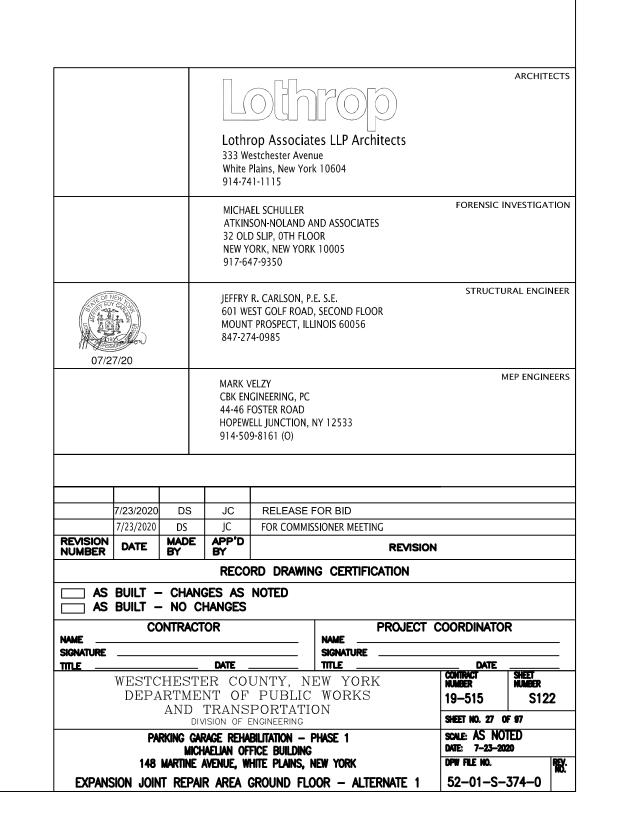
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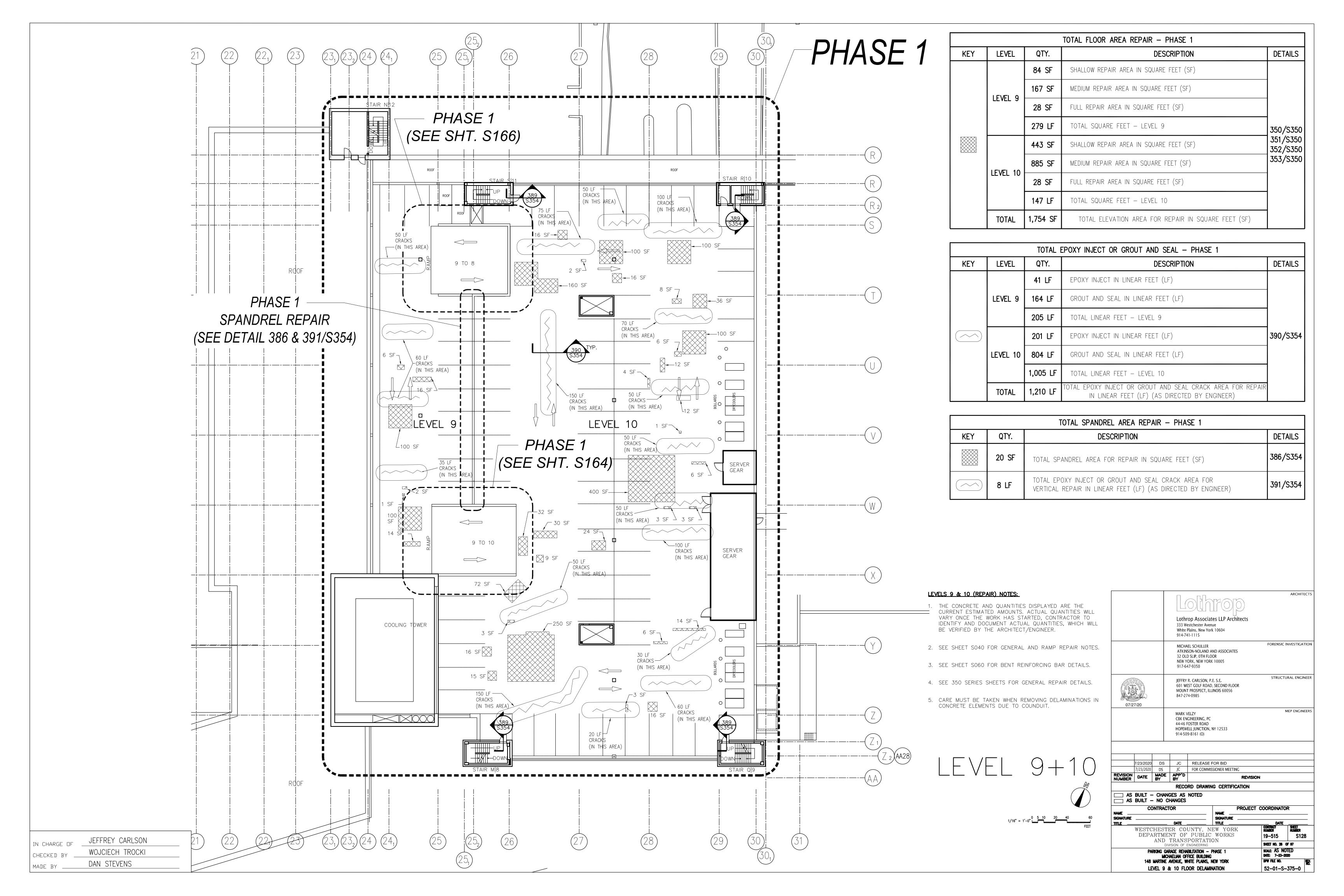
MADE BY DAN STEVENS

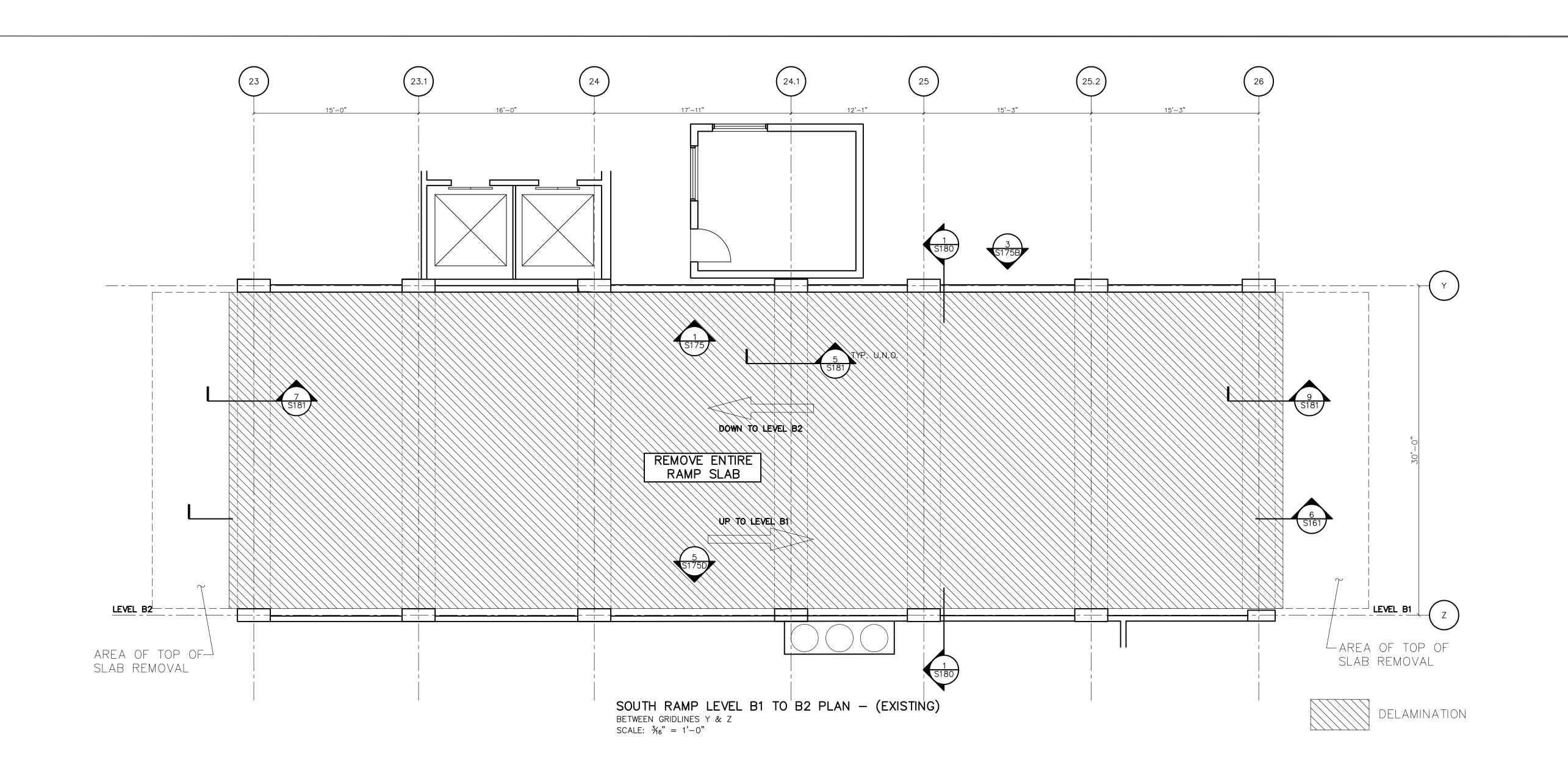
EXPANSION JOINT REPAIR AREA GROUND FLOOR (SIDEWALK AREA)

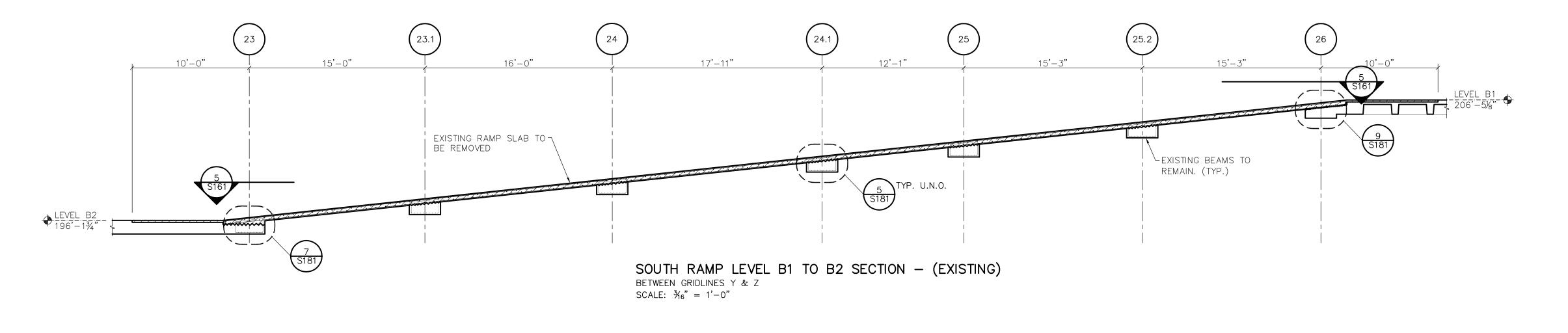
MARTINE AVENUE

STAIR S|11







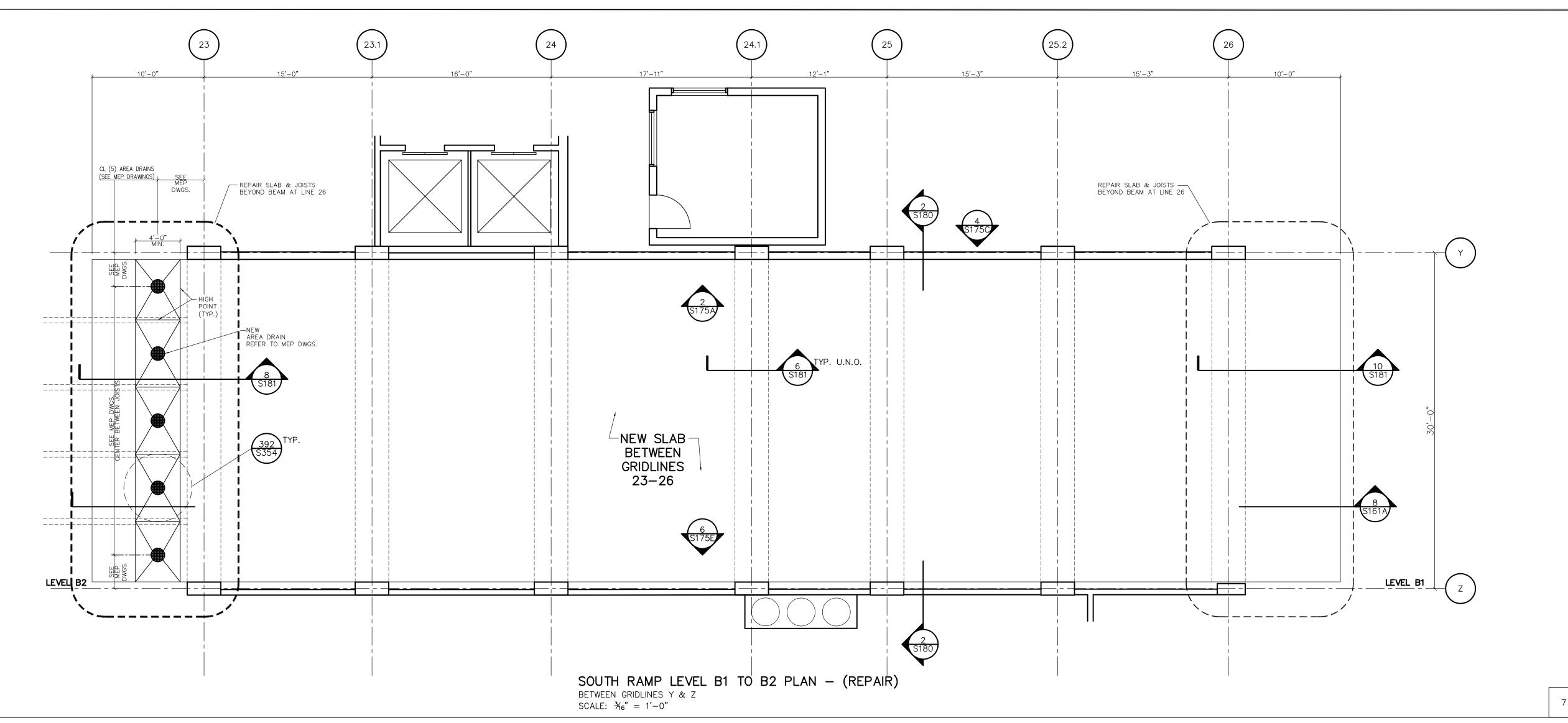


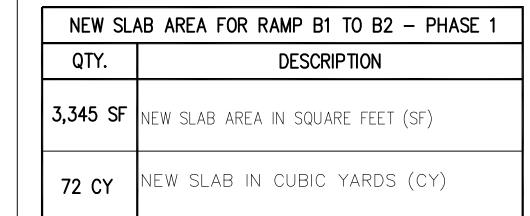
JEFFREY CARLSON WOJCIECH TROCKI CHECKED BY DAN STEVENS MADE BY ___

RAMP (EXISTING) NOTES:

- 1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- 2. SEE S175 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
- 3. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

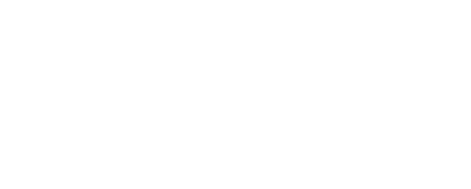
Lothrop	ARCHITECTS
Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115	
MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350	ESTIGATION
JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985	AL ENGINEER
MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O)	P ENGINEERS
7/23/2020 DS JC RELEASE FOR BID	
7/23/2020 DS JC FOR COMMISSIONER MEETING	
MADE APP'D REVISION	
RECORD DRAWING CERTIFICATION	
□ AS BUILT - CHANGES AS NOTED□ AS BUILT - NO CHANGES	
CONTRACTOR PROJECT COORDINATOR NAME	
NATURE DATE SIGNATURE DATE DATE	
WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION 19-515	SHEET NUMBER S161
DIVISION OF ENGINEERING SHEET NO. 29 OF (
PARKING GARAGE REHABILITATION — PHASE 1 SCALE: AS NOTE MICHAELIAN OFFICE BUILDING DATE: 7-23-2020	U
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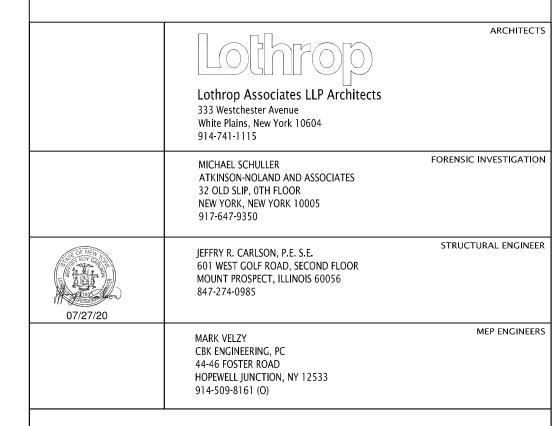




RAMP (REPAIR) NOTES:

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- 2. SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.
- 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE S175 SERIES SHEETS FOR RAMP REPAIR ELEVATIONS.
- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.





	7/23/2020 7/23/2020	DS DS	JC JC	RELEASE FOR BID FOR COMMISSIONER MEETING	
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION	

	RECORD	DRAWING	CERTIFICATION	
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NAME	CONTRACTOR	NAME	PROJECT CO	ORDINATO	R	
SIGNATURE TITLE	DATE	SIGNATURE TITLE		DATE		_
	WESTCHESTER COUNTY, DEPARTMENT OF PUBLI AND TRANSPORTA	C WORKS	· N	INTRACT IMBER 9-515	SHEET NUMBER S16	1A
_	DIVISION OF ENGINEERING PARKING GARAGE REHABILITATION	- PHASE 1	SC	EET NO. 30 XLE: AS NO VTE: 7-23-2	OTED	
	MICHAELIAN OFFICE BUILDI 148 MARTINE AVENUE, WHITE PLAINS SOUTH RAMP REPAIRED PLAN & S	, NEW YORK	Di	W FILE NO. 52-01-S-		REY.

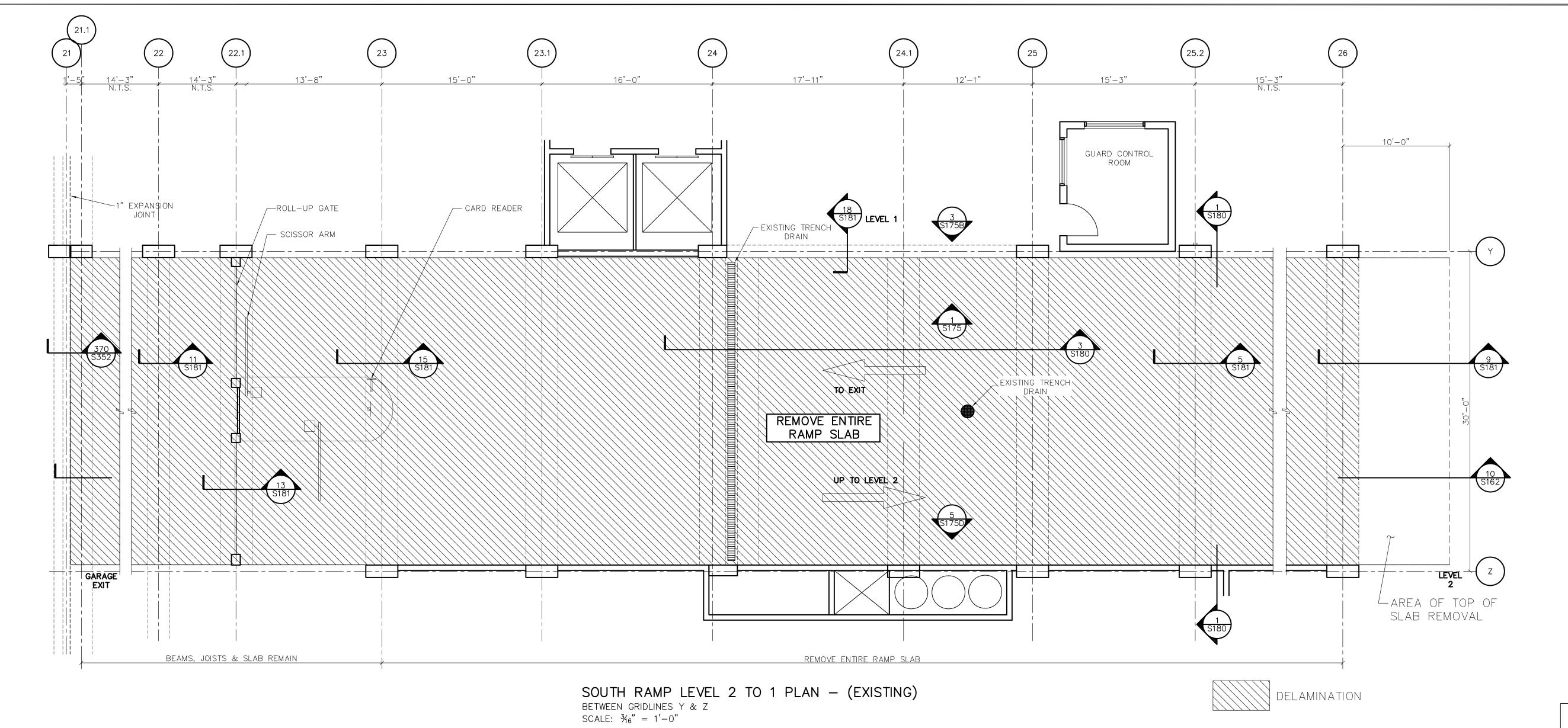
10'-0"	3.1) 16'-0" 17'-11"	24.1	25.2	3" 10'-0"
	TYPICAL SLAB REINFORCING #4 @ 8" O.C. (TRANSVERSE) #5 @ 6" O.C. (LONGITUDINAL) (TOP & BOTTOM) —	NEW SLAB-		S161A LEVEL B1 206'-5% REPAIR SLAB & JOISTS BEYOND BEAM AT LINE 26
LEVEL B2 196'-134"7 S161A		6 S181 TYP. U.N.O.	 	TREPAIR SLAB & JOISTS BEYOND BEAM AT LINE 26
REPAIR SLAB & JOISTS BEYOND BEAM AT LINE 23	FIII.	SLAB REPLACEMENT	 	

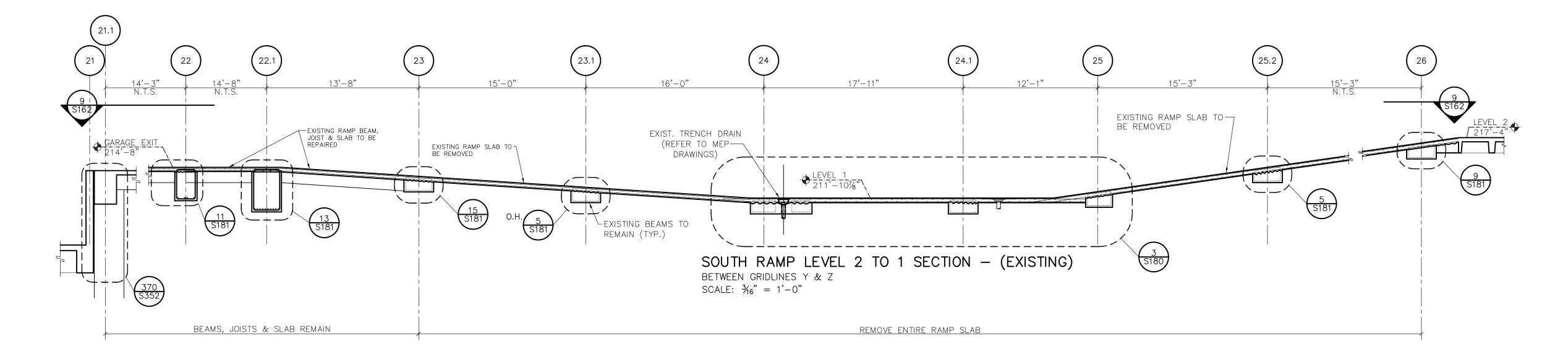
SOUTH RAMP LEVEL B1 TO B2 SECTION - (REPAIR)

BETWEEN GRIDLINES Y & Z

SCALE: $\frac{3}{16}$ " = 1'-0"

IN CHARGE OF	JEFFREY CARLSON
CHECKED BY	WOJCIECH TROCKI
MADE BY	DAN STEVENS





JEFFREY CARLSON IN CHARGE OF WOJCIECH TROCKI CHECKED BY DAN STEVENS MADE BY ___

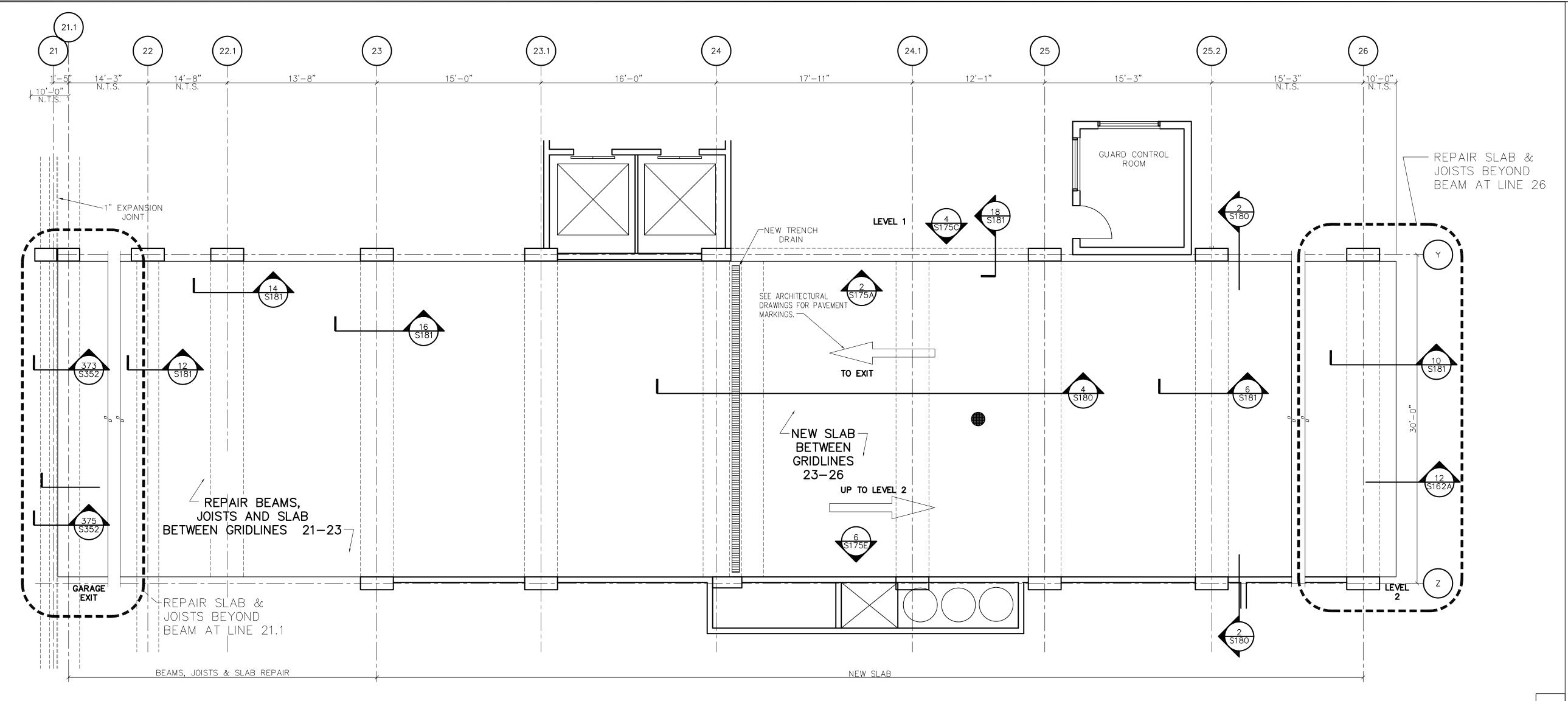
RAMP (EXISTING) NOTES:

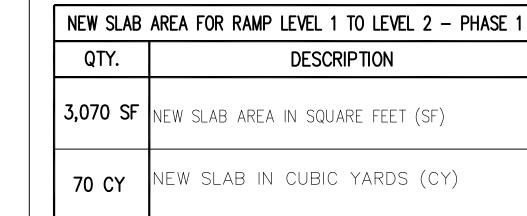
- 1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- 2. SEE S175 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
- 3. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

		ARTM AND	ENT OF TRANS DIVISION OF E	PORTAT:	C WORKS ION	19-515 SHEET NO. 31 O	S162
	** () ()	ハコロウ	TEN CO		ILW IORK	NUMBER	NUMBER
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	7/23/2020	DS	JC	RELEASE	FOR BID		
			44-46 F Hopew	Gineering, PC Foster Road ELL Junction 9-8161 (O)			
07/27/20			601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985 MARK VELZY				
SE OF N	JEW V		JEFFRY	R. CARLSON,	P.E. S.E.	STRUCTU	RAL ENGINEE
			ATKIN 32 OLI NEW Y				
			MICHA	EL SCHULLER		FORENSIC IN	NVESTIGATIO
			333 We White	op Associa estchester Ave Plains, New Yo 11-1115		S	
							ARCHITECT

PARKING GARAGE REHABILITATION - PHASE 1
MICHAELIAN OFFICE BUILDING
148 MARTINE AVENUE, WHITE PLAINS, NEW YORK
SOUTH RAMP EXISTING PLAN & SECTION (Y-Z)

52-01-S-378-0

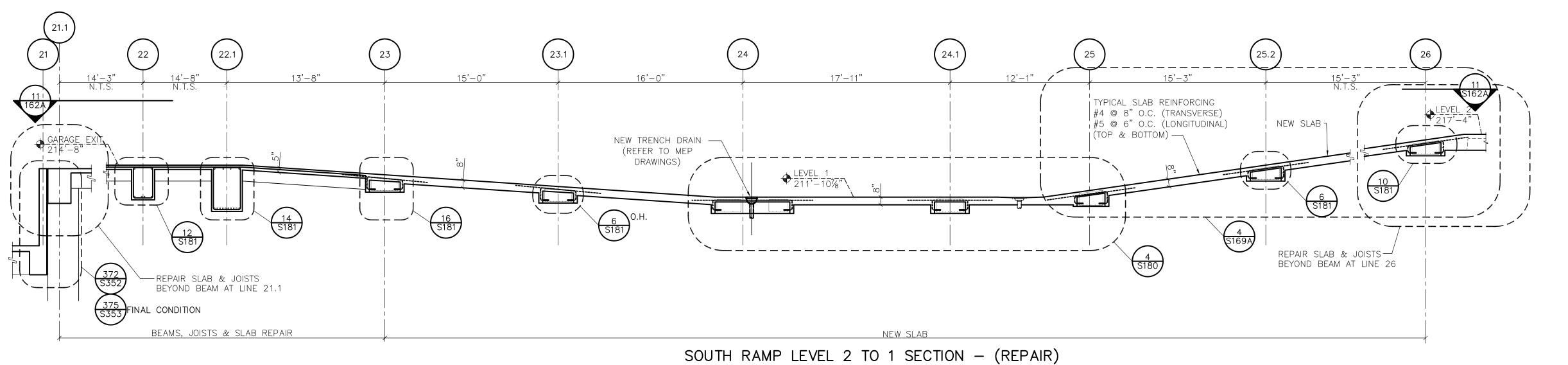




SLAB REPAIR AREA FOR RAMP GRID 23 TO EXIT - PHASE 1			
QTY.	DESCRIPTION		
540 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)		
1,080 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)		
180 SF	FULL REPAIR AREA IN SQUARE FEET (SF)		
1,800 SF	TOTAL SLAB REPAIR AREA IN SQUARE FEET (SF)		
12 CY	TOTAL SLAB REPAIR IN CUBIC YARD (CY)		

RAMP (REPAIR) NOTES:

- 1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED, CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- 2. SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.
- 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE S175 SERIES SHEETS FOR RAMP REPAIR ELEVATIONS.
- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.



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IN CHARGE OF JEFFREY CARLSON

CHECKED BY WOJCIECH TROCKI

MADE BY DAN STEVENS

SOUTH RAMP LEVEL 2 TO 1 SECTION — (REPAIR)
BETWEEN GRIDLINES Y & Z
SCALE: 3/6" = 1'-0"

T/23/2020 DS JC RELEASE FOR BID

T/23/2020 DS JC FOR COMMISSIONER MEETING

REVISION
NUMBER DATE BY BY REVISION

RECORD DRAWING CERTIFICATION

AS BUILT — CHANGES AS NOTED
AS BUILT — NO CHANGES

CONTRACTOR PROJECT COORDINATOR
NAME
SIGNATURE SIGNATURE
TITLE DATE TITLE

WESTCHESTER COUNTY, NEW YORK
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION
DIVISION OF ENGINEERING

SHEET NO. 32 OF 97

PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SOUTH RAMP REPAIRED PLAN & SECTION (Y-Z)

Lothrop Associates LLP Architects

FORENSIC INVESTIGATION

STRUCTURAL ENGINEER

MEP ENGINEERS

SHEET NO. 32 OF 97

SCALE: AS NOTED
DATE: 7-23-2020

DPW FILE NO.

52-01-S-379-0

333 Westchester Avenue

MICHAEL SCHULLER

32 OLD SLIP, 0TH FLOOR

NEW YORK, NEW YORK 10005

914-741-1115

917-647-9350

847-274-0985

MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533

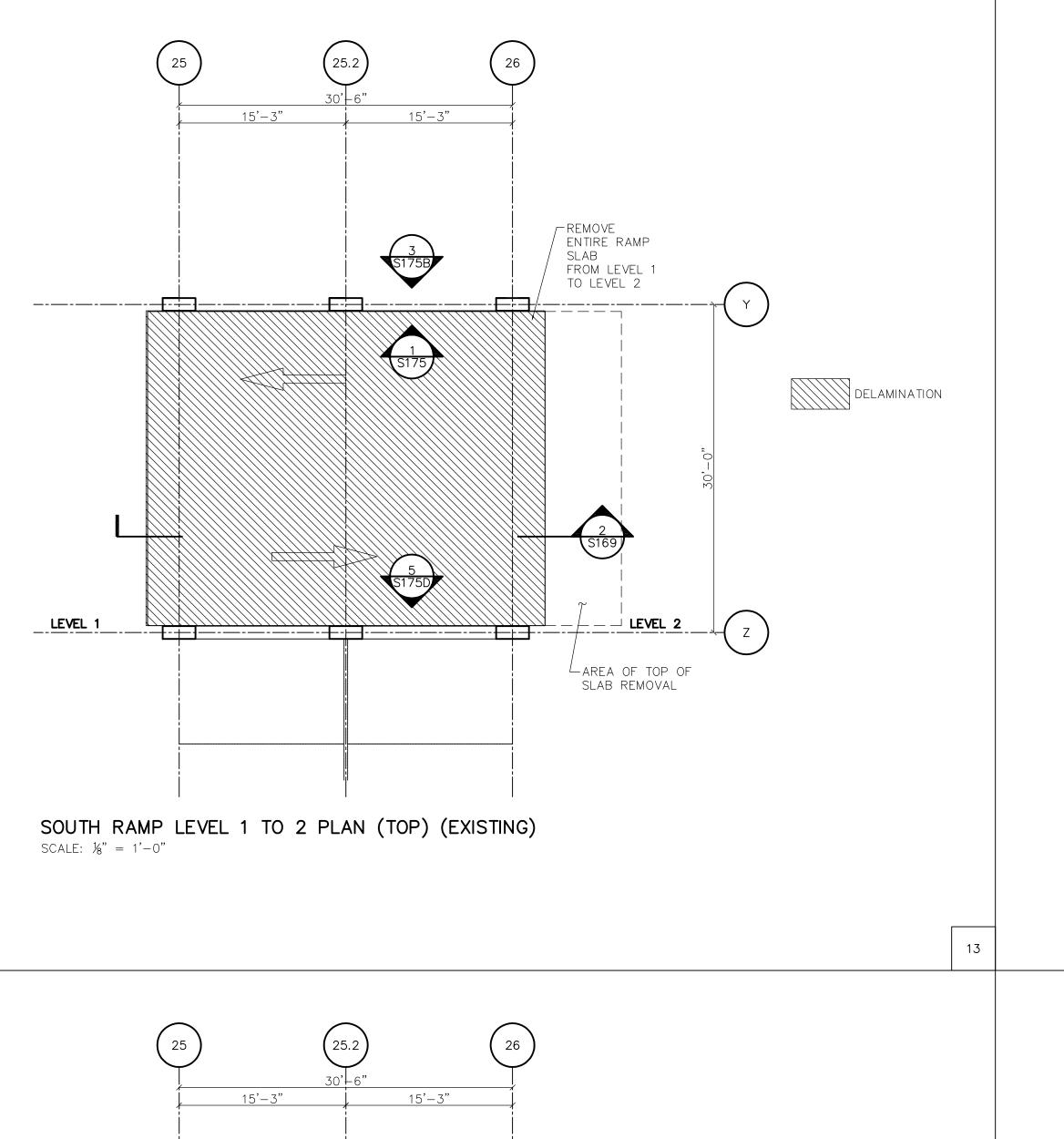
914-509-8161 (O)

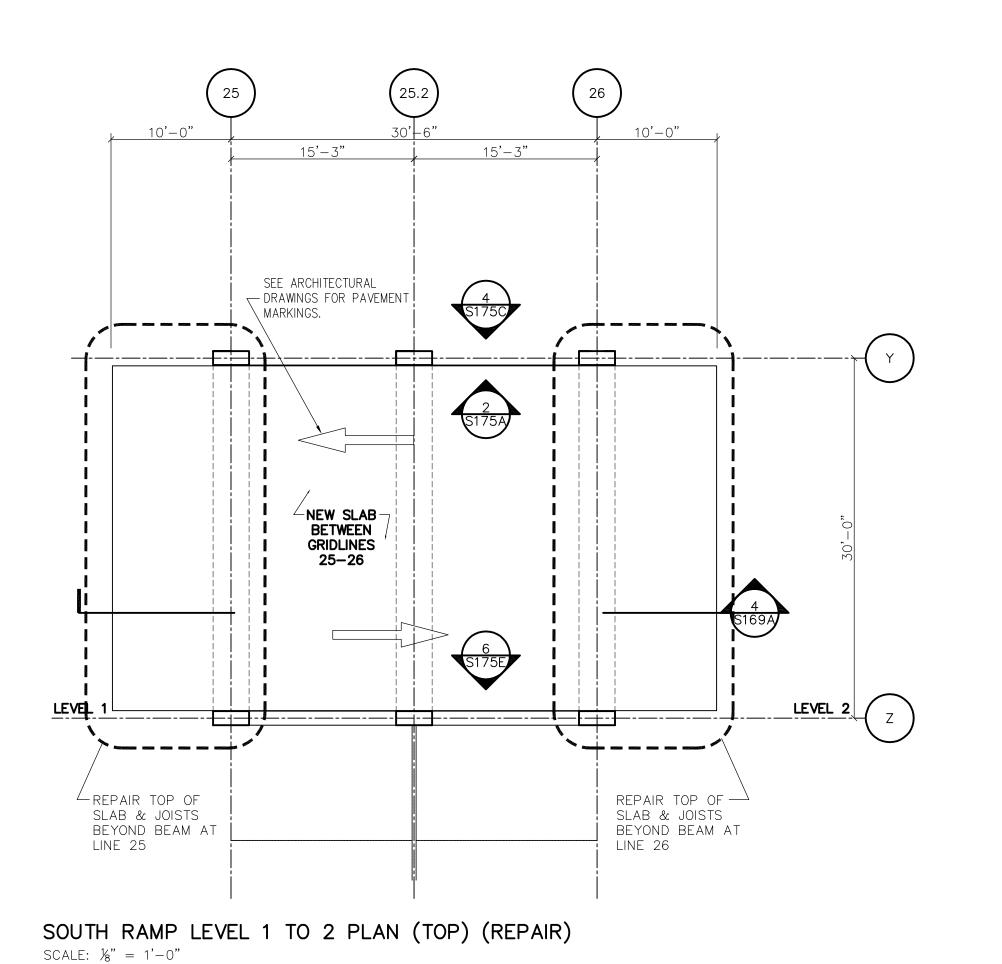
07/27/20

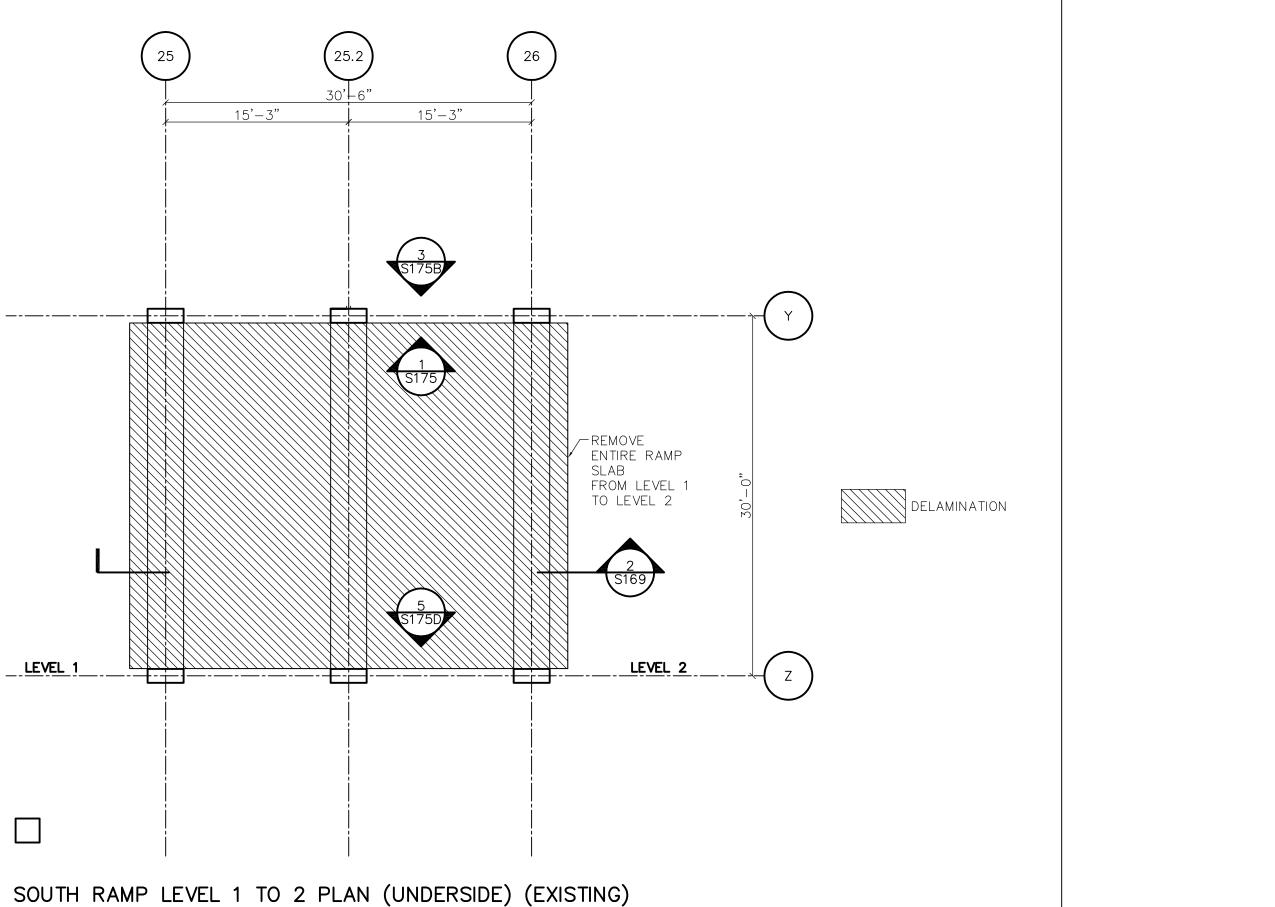
White Plains, New York 10604

ATKINSON-NOLAND AND ASSOCIATES

JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056







SCALE: $\frac{1}{8}$ " = 1'-0"

JEFFREY CARLSON

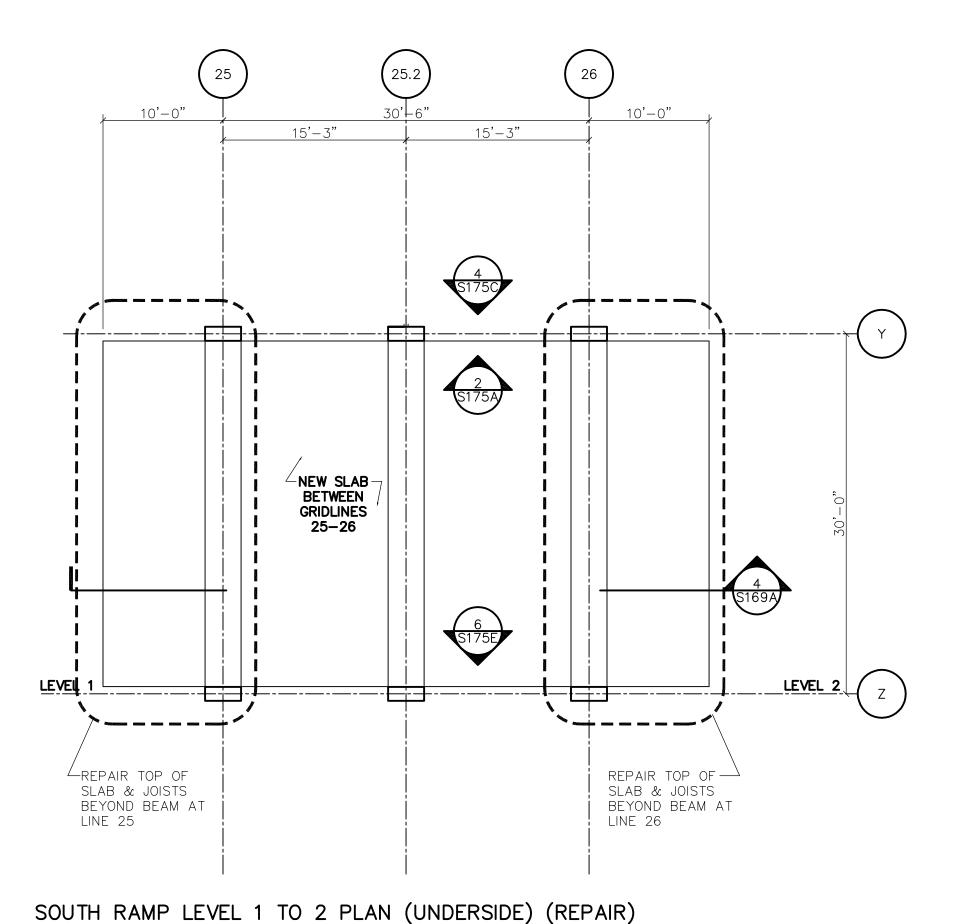
WOJCIECH TROCKI

DAN STEVENS

IN CHARGE OF

CHECKED BY

MADE BY



SCALE: $\frac{1}{8}$ " = 1'-0"

Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115 MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350 STRUCTURAL ENGINEER JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985 07/27/20 MEP ENGINEERS MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O)
 7/23/2020
 DS
 JC
 RELEASE FOR BID

 7/23/2020
 DS
 JC
 FOR COMMISSIONER MEETING

 REVISION NUMBER
 DATE
 MADE BY
 APP'D BY
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 RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED
AS BUILT - NO CHANGES PROJECT COORDINATOR WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS 19-515 AND TRANSPORTATION
DIVISION OF ENGINEERING SHEET NO. 33 OF 97 SCALE: AS NOTED DATE: 7-23-2020 PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SOUTH RAMP PLANS (Y-Z)

DPW FILE NO.

52-01-S-380-0

RAMP (EXISTING) NOTES:

DETAILS.

SEE S162A.

RAMP (REPAIR) NOTES:

ARCHITECT/ENGINEER.

1. SEE S175 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.

2. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND

1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT

ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE

2. SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.

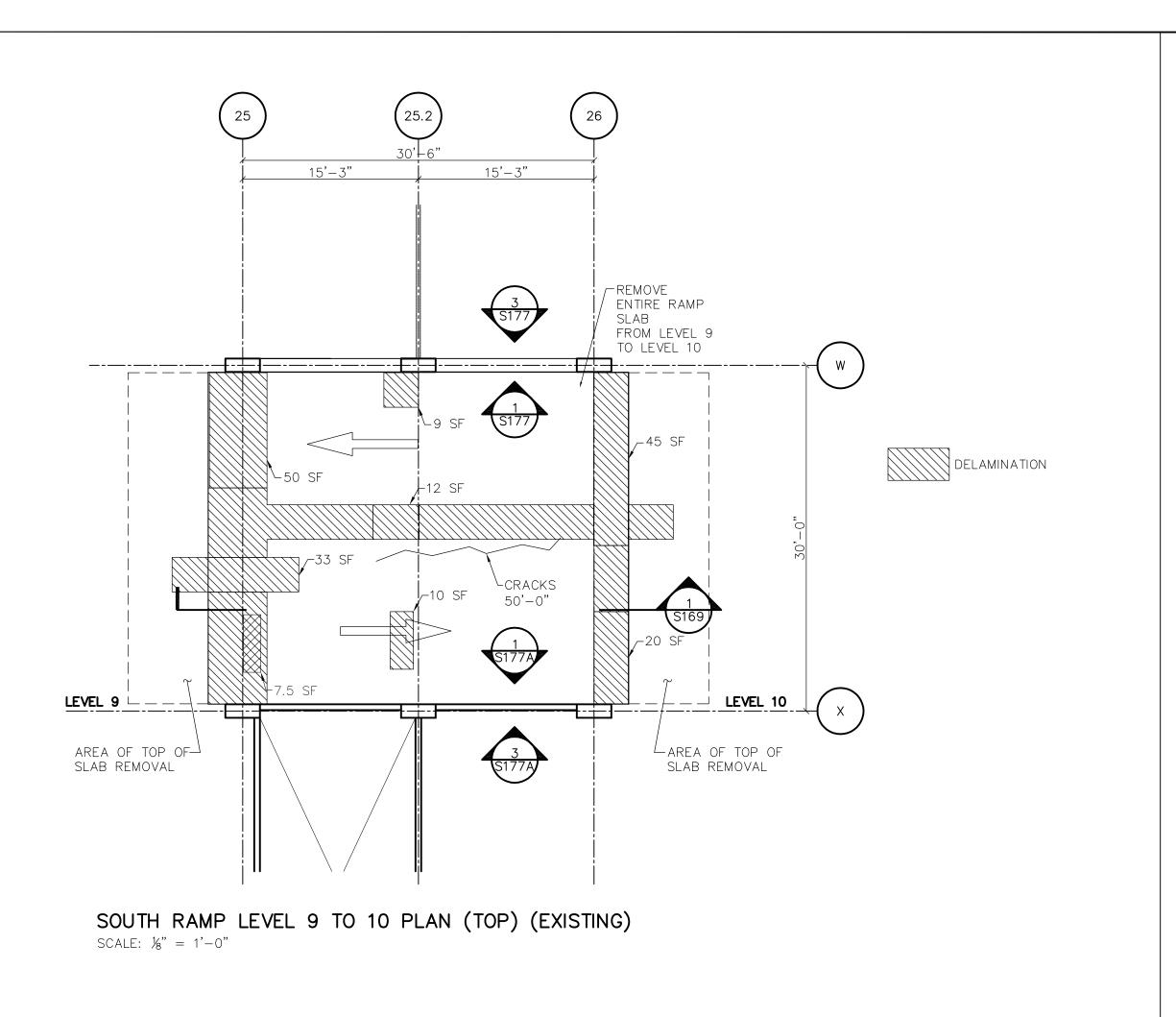
3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.

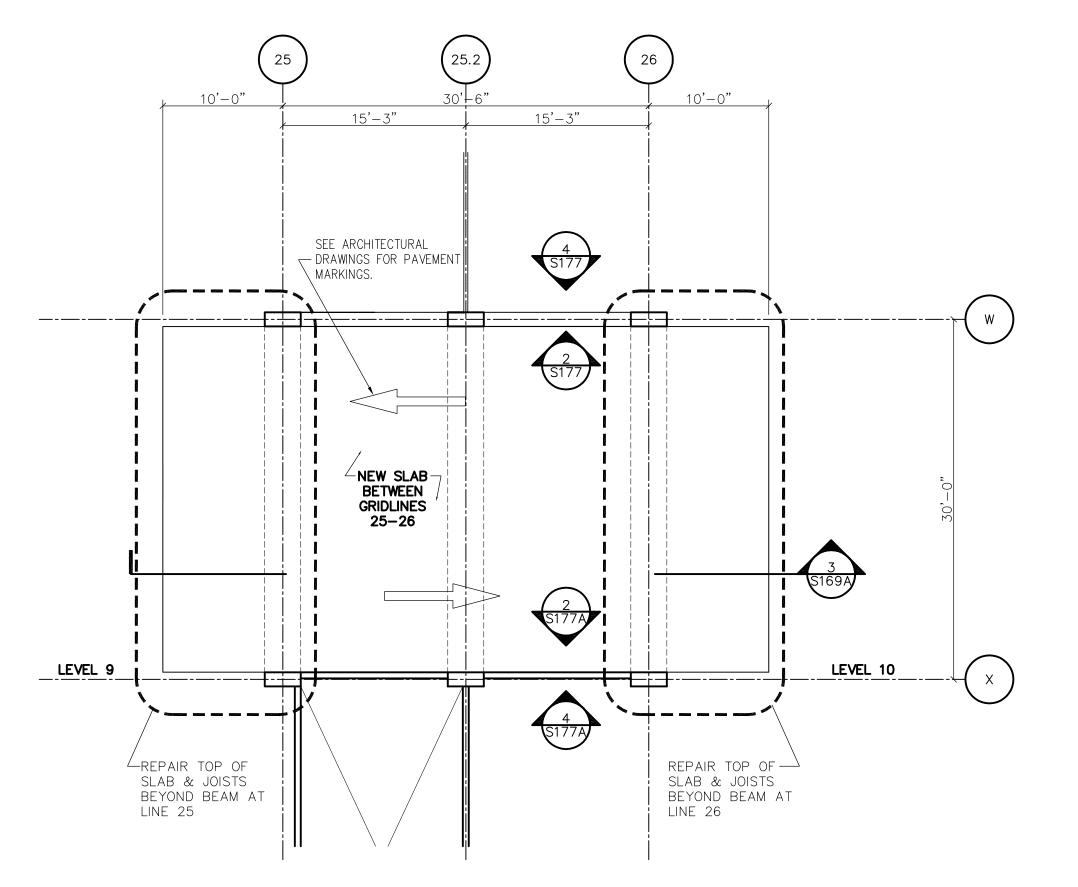
4. SEE S175 SERIES SHEETS FOR RAMP REPAIR ELEVATIONS.

6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS

NEW SLAB AREA FOR RAMP LEVEL 1 TO LEVEL 2 - PHASE 1





SOUTH RAMP LEVEL 9 TO 10 PLAN (TOP) (REPAIR) SCALE: $\frac{1}{8}$ " = 1'-0"

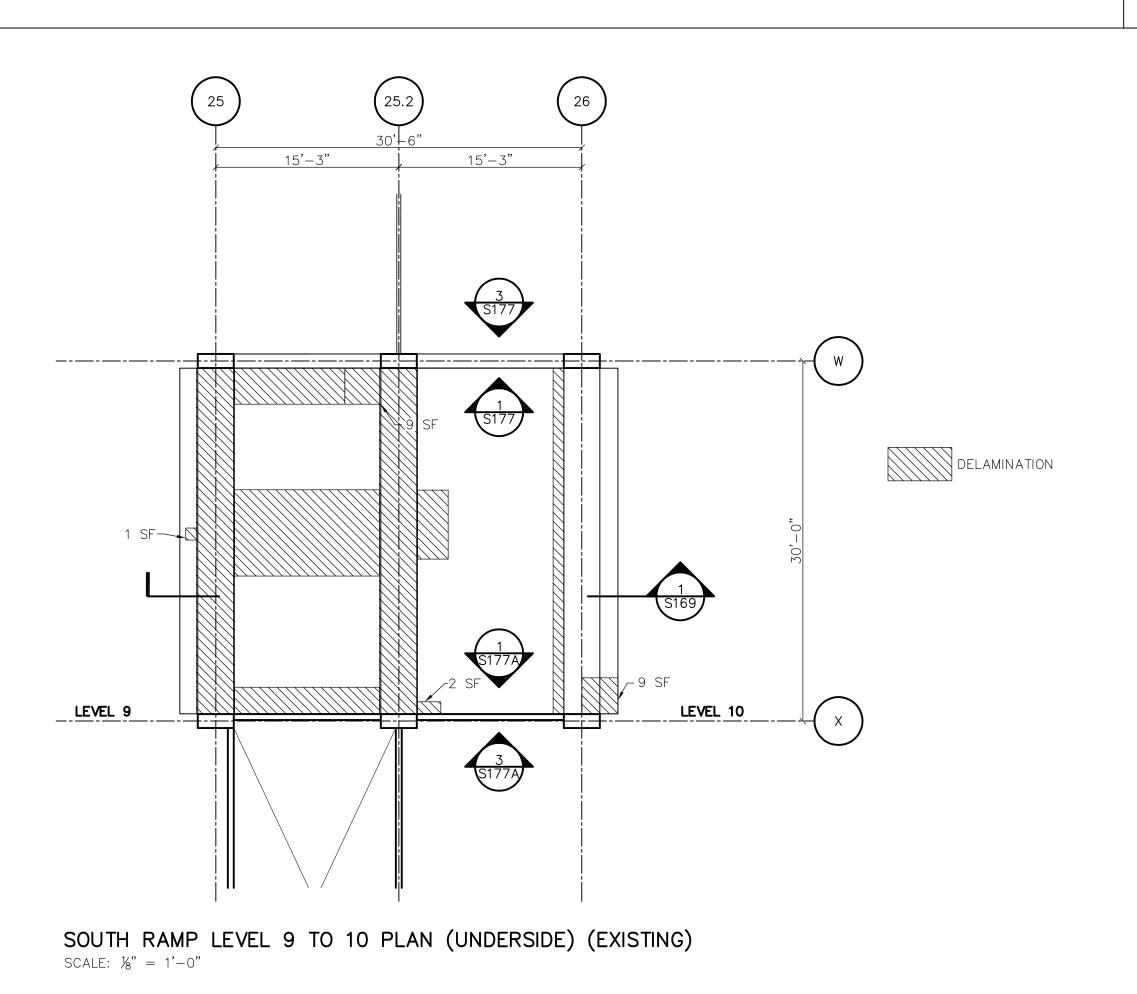
NEW SLAB /	AREA FOR RAMP LEVEL 9 TO LEVEL 10 - PHASE 1
QTY.	DESCRIPTION
455 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)
909 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)
151 SF	full repair area in square feet (SF)
1,515 SF	TOTAL SLAB REPAIR AREA IN SQUARE FEET (SF)
23 CY	TOTAL SLAB REPAIR IN CUBIC YARD (CY)

RAMP (EXISTING) NOTES:

- 1. SEE S177 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
- 2. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

RAMP (REPAIR) NOTES:

- THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED, CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.
- 3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE S177 SERIES SHEETS FOR RAMP REPAIR ELEVATIONS.
- . SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.



JEFFREY CARLSON

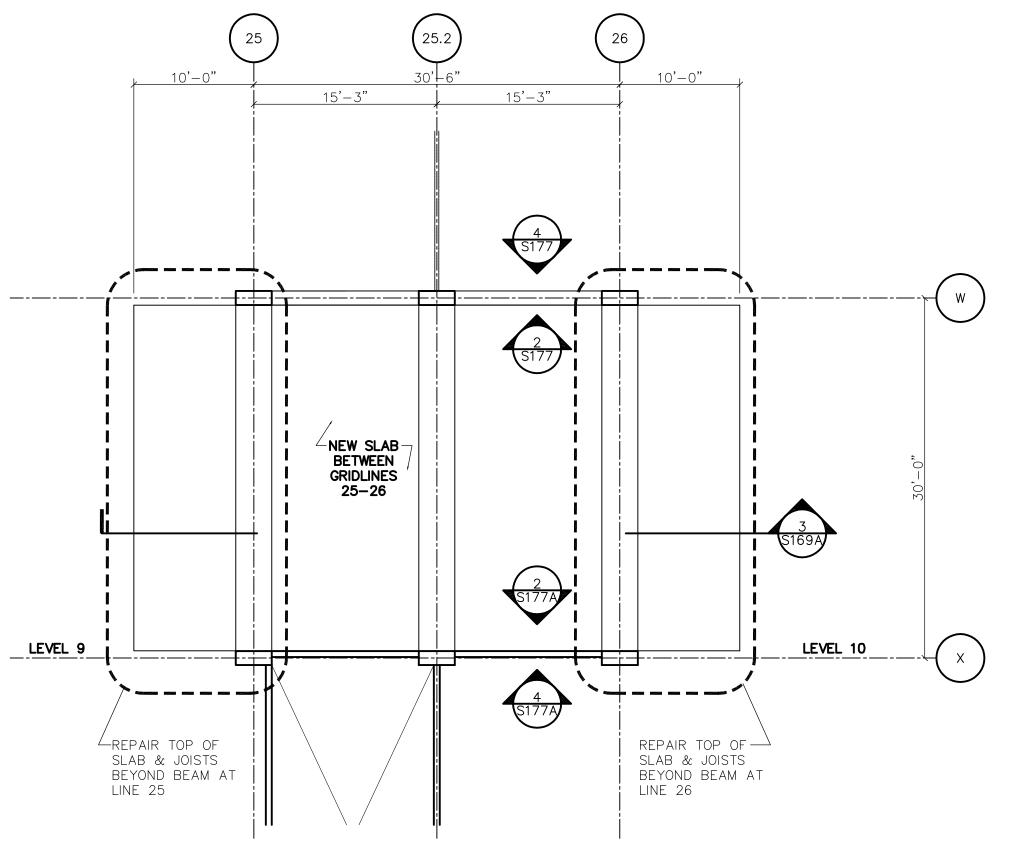
WOJCIECH TROCKI

DAN STEVENS

IN CHARGE OF

CHECKED BY

MADE BY



SOUTH RAMP LEVEL 9 TO 10 PLAN (UNDERSIDE) (REPAIR)

SCALE: $\frac{1}{8}$ " = 1'-0"

 7/23/2020
 DS
 JC
 RELEASE FOR BID

 7/23/2020
 DS
 JC
 FOR COMMISSIONER MEETING

 REVISION NUMBER
 DATE
 MADE BY
 APP'D BY
 RI
 RECORD DRAWING CERTIFICATION AS BUILT - CHANGES AS NOTED

On the control of the PROJECT COORDINATOR WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS 19-515 AND TRANSPORTATION
DIVISION OF ENGINEERING SHEET NO. 34 OF 97 SCALE: AS NOTED DATE: 7-23-2020 PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SOUTH RAMP PLANS (W-X)

Lothrop Associates LLP Architects
333 Westchester Avenue

ATKINSON-NOLAND AND ASSOCIATES

JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056

FORENSIC INVESTIGATION

STRUCTURAL ENGINEER

MEP ENGINEERS

DPW FILE NO.

52-01-S-381-0

White Plains, New York 10604

914-741-1115

917-647-9350

847-274-0985

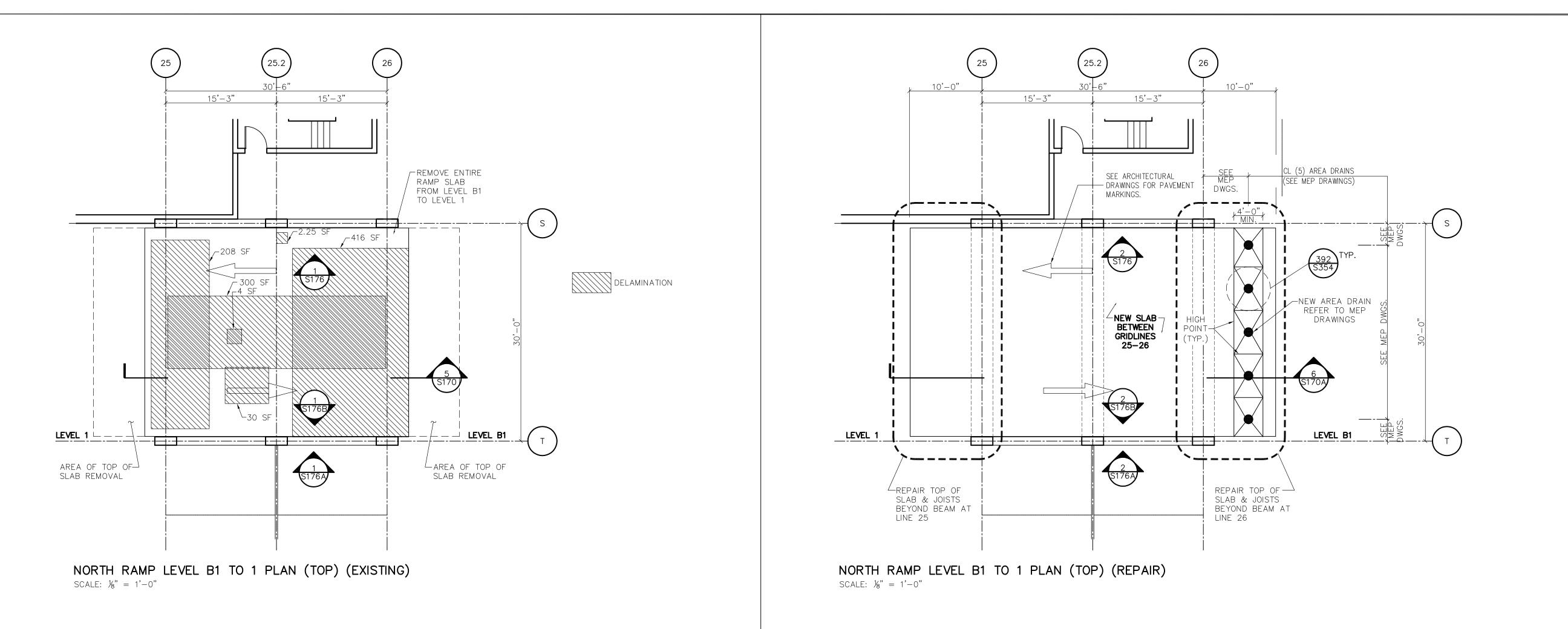
MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533

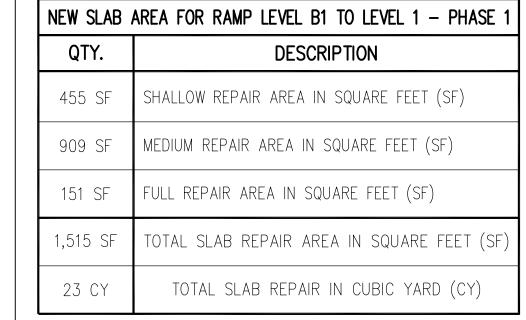
914-509-8161 (O)

07/27/20

MICHAEL SCHULLER

32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005



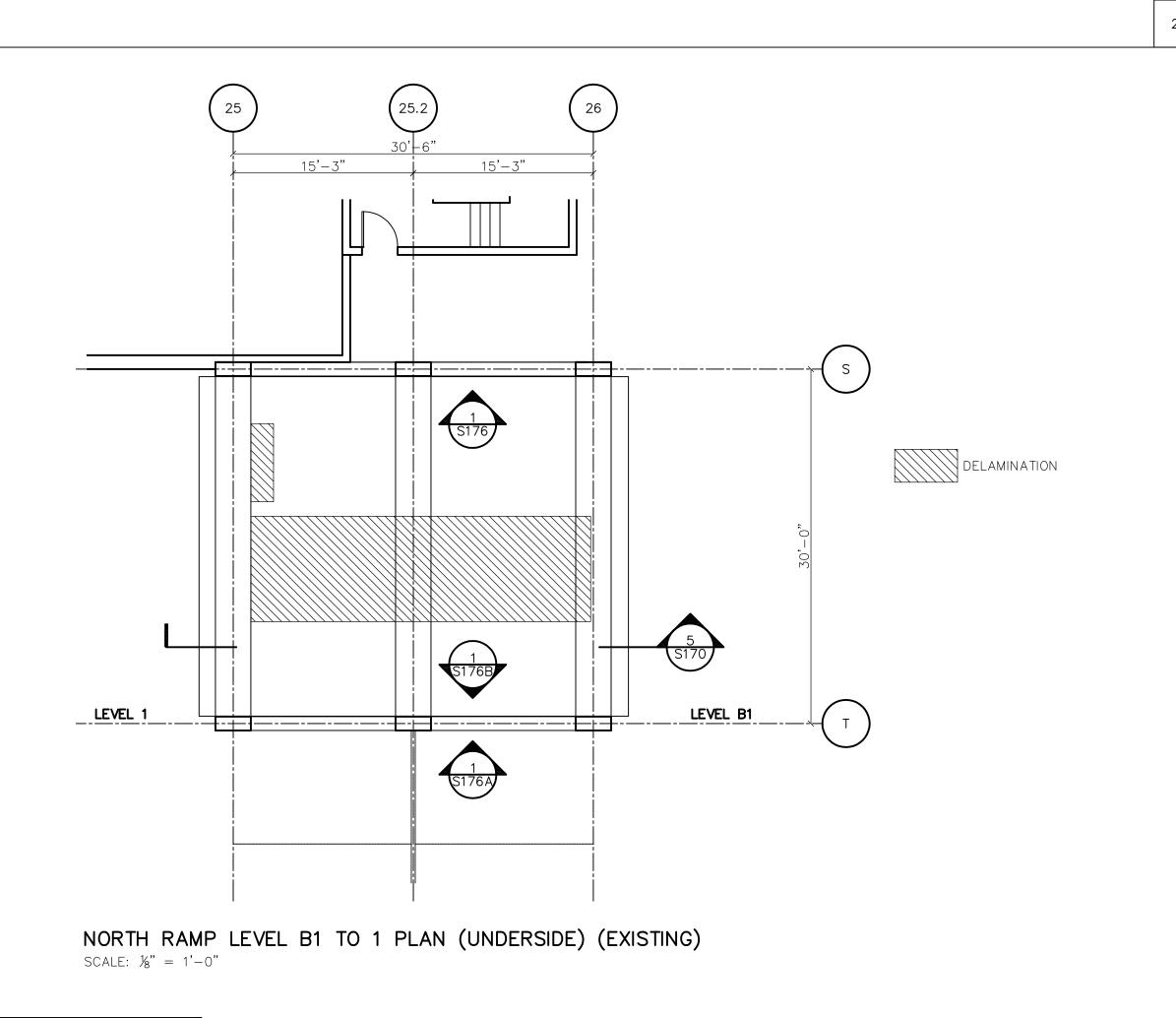


RAMP (EXISTING) NOTES:

- 1. SEE S176 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
- 2. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

RAMP (REPAIR) NOTES:

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- 2. SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.
- 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE S176 SERIES SHEETS FOR RAMP REPAIR ELEVATIONS.
- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.



JEFFREY CARLSON

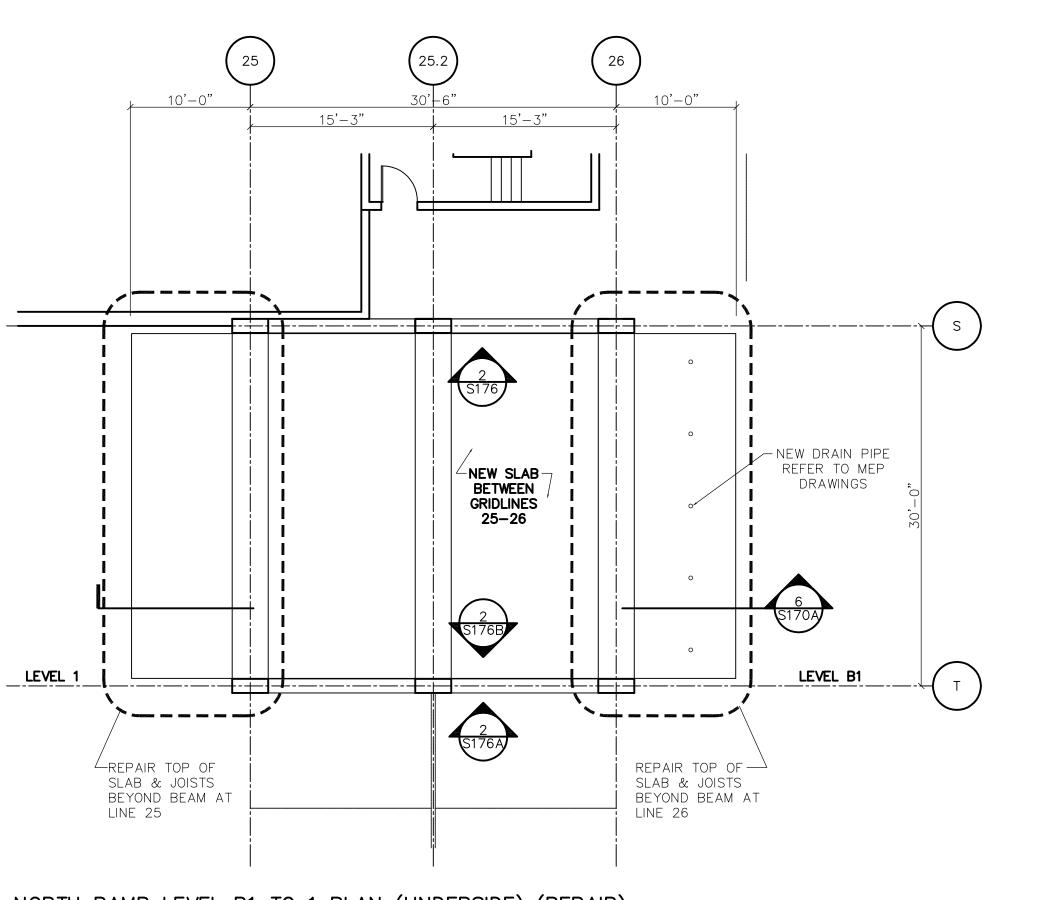
WOJCIECH TROCKI

DAN STEVENS

IN CHARGE OF

CHECKED BY

MADE BY



NORTH RAMP LEVEL B1 TO 1 PLAN (UNDERSIDE) (REPAIR)
SCALE: 1/8" = 1'-0"

STRUCTURAL ENGINEER JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985 07/27/20 MEP ENGINEERS MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O)
 7/23/2020
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 7/23/2020
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 FOR COMMISSIONER MEETING

 REVISION NUMBER
 DATE
 MADE BY
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 RECORD DRAWING CERTIFICATION AS BUILT — CHANGES AS NOTED
AS BUILT — NO CHANGES PROJECT COORDINATOR WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS 19-515 AND TRANSPORTATION
DIVISION OF ENGINEERING SHEET NO. 35 OF 97

PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

NORTH RAMP PLANS (S-T)

Lothrop Associates LLP Architects

ATKINSON-NOLAND AND ASSOCIATES

FORENSIC INVESTIGATION

SCALE: AS NOTED DATE: 7-23-2020

52-01-S-382-0

DPW FILE NO.

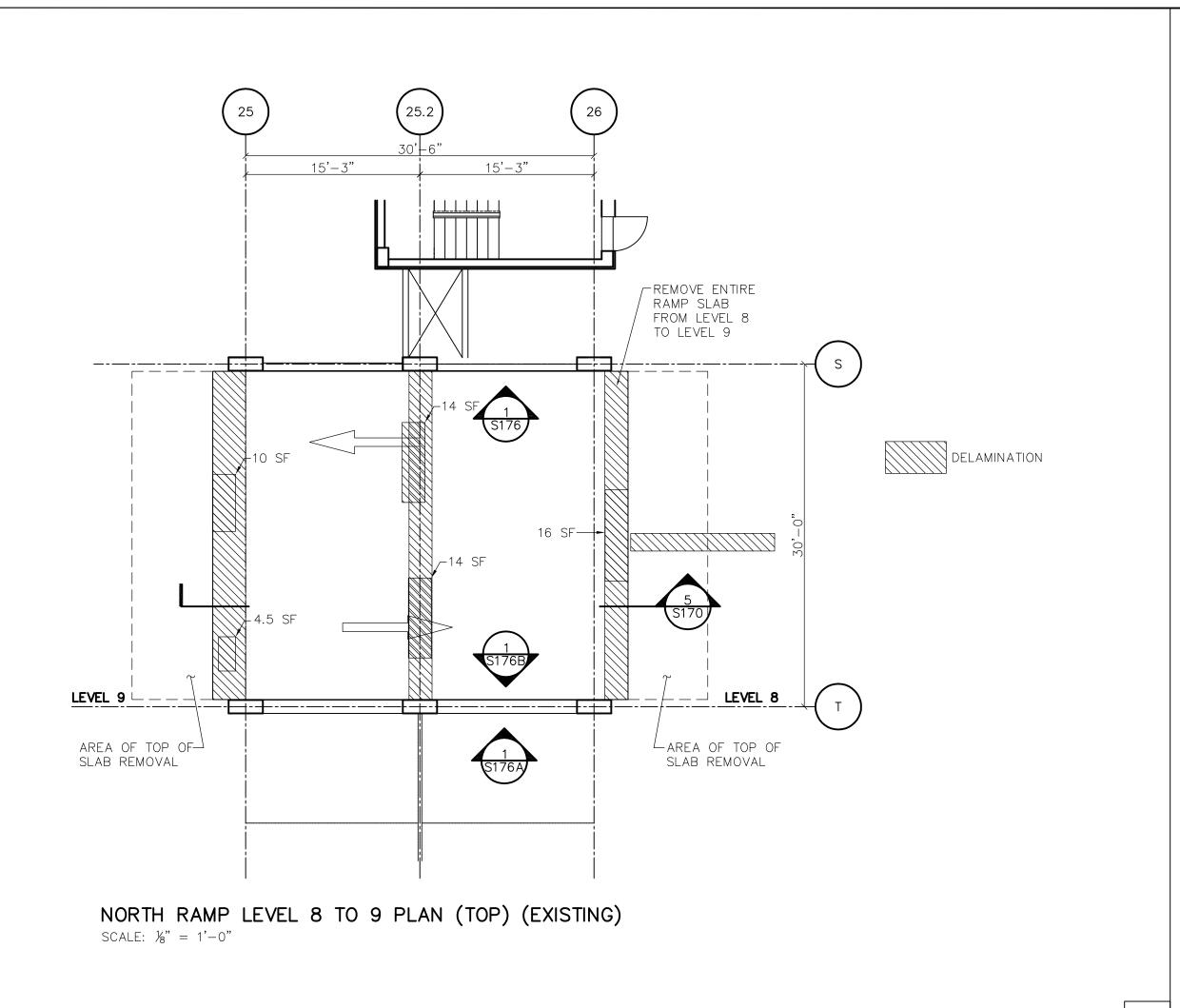
333 Westchester Avenue White Plains, New York 10604

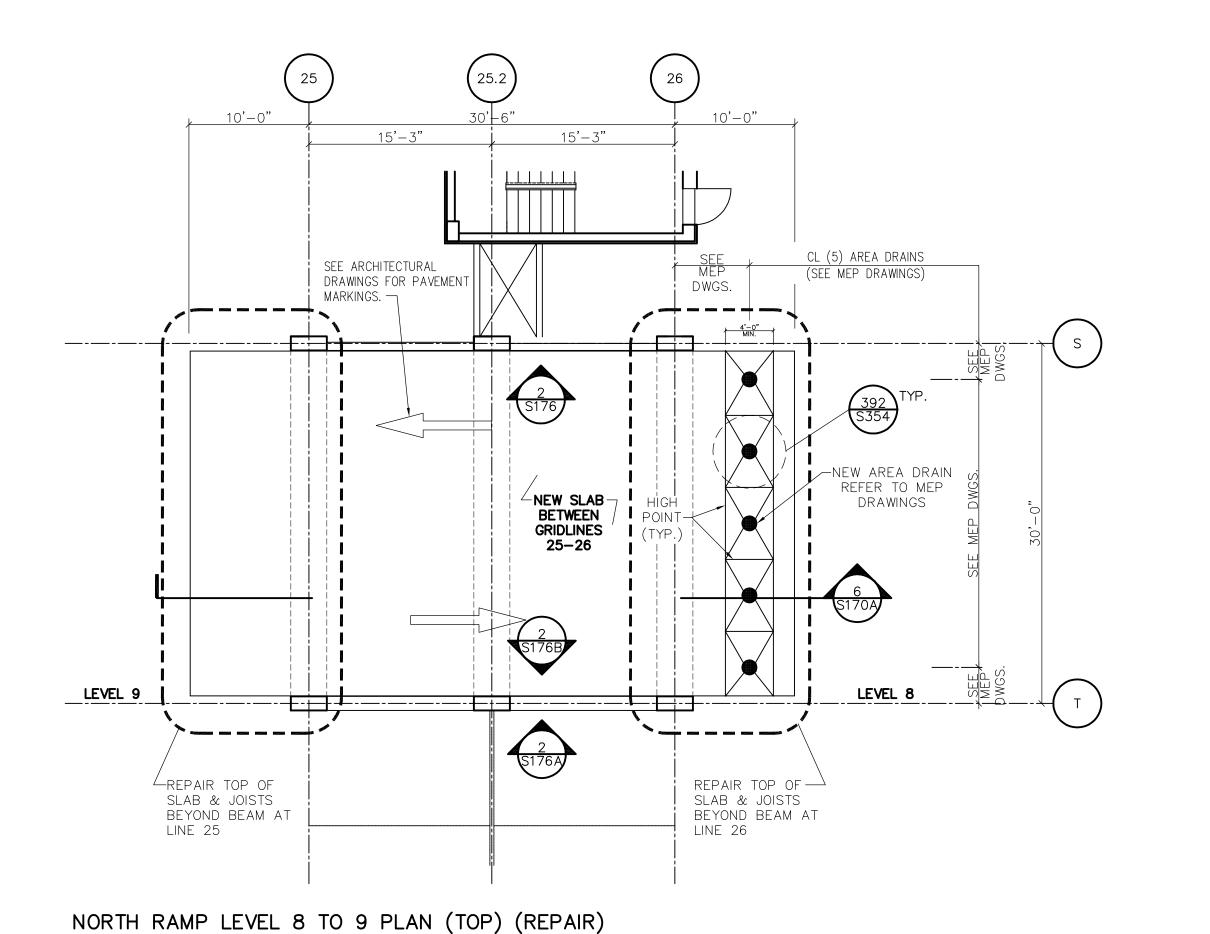
914-741-1115

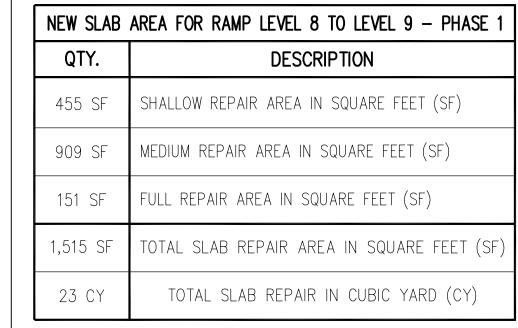
917-647-9350

MICHAEL SCHULLER

32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005





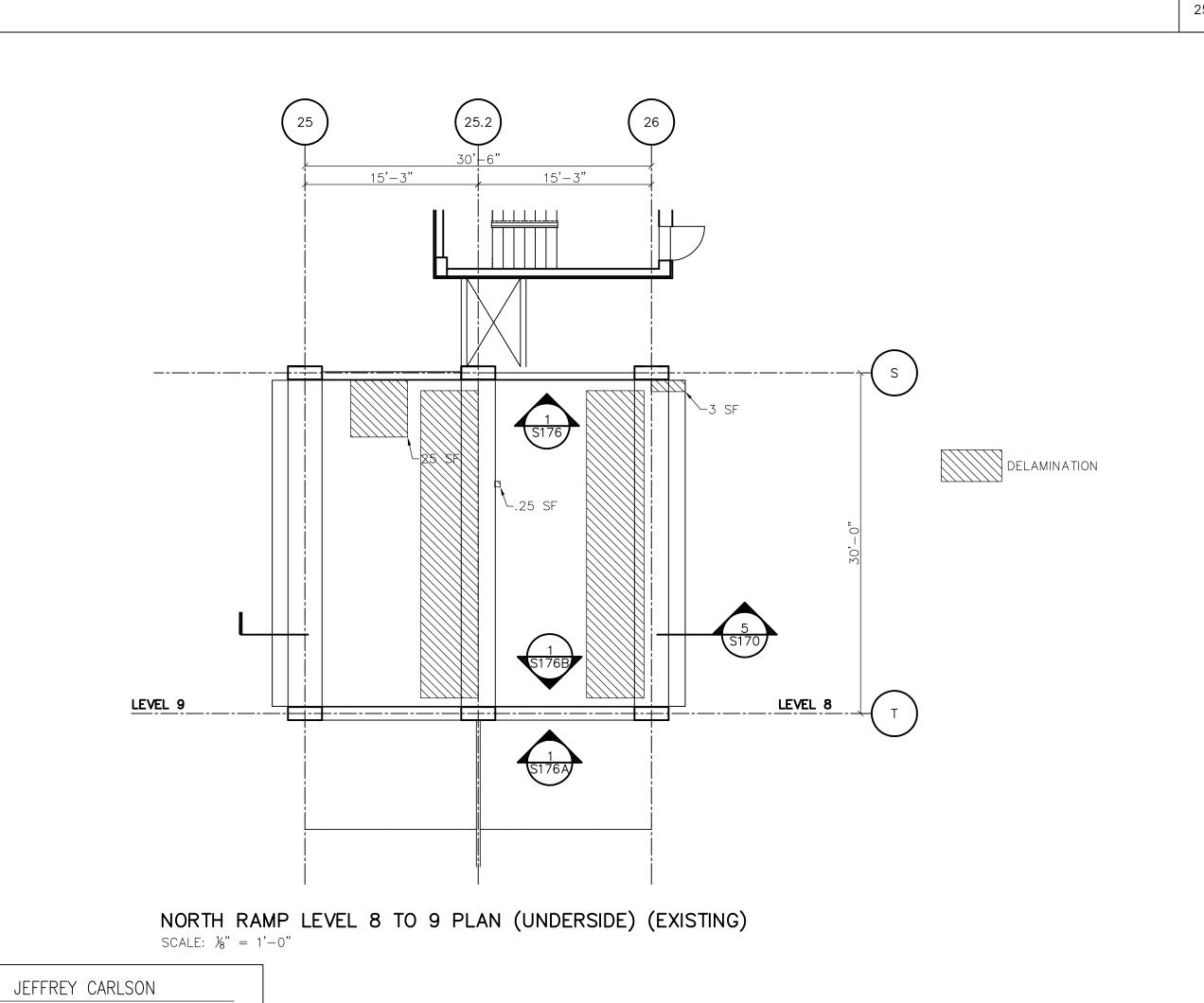


RAMP (EXISTING) NOTES:

- 1. SEE S176 SERIES SHEETS FOR EXISTING RAMP ELEVATIONS.
- 2. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

RAMP (REPAIR) NOTES:

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- 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE S176 SERIES SHEETS FOR RAMP REPAIR ELEVATIONS.
- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.



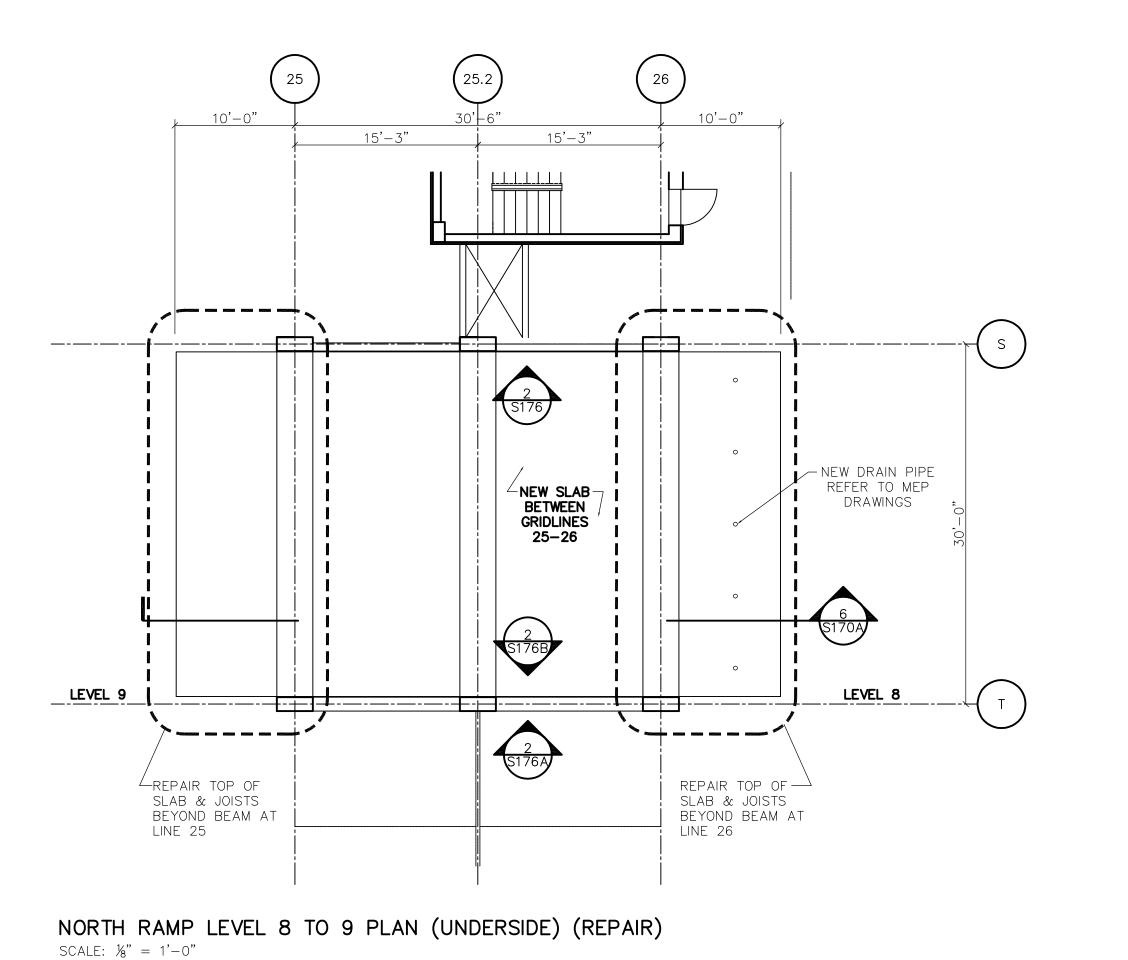
IN CHARGE OF

CHECKED BY

MADE BY

WOJCIECH TROCKI

DAN STEVENS



SCALE: $\frac{1}{8}$ " = 1'-0"

Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115 FORENSIC INVESTIGATION MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350 STRUCTURAL ENGINEER JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985 07/27/20 MEP ENGINEERS MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O)
 7/23/2020
 DS
 JC
 RELEASE FOR BID

 7/23/2020
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 FOR COMMISSIONER MEETING

 REVISION NUMBER
 DATE
 MADE BY
 APP'D BY
 RI
 RECORD DRAWING CERTIFICATION ___ AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES PROJECT COORDINATOR WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS 19-515 AND TRANSPORTATION
DIVISION OF ENGINEERING

PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

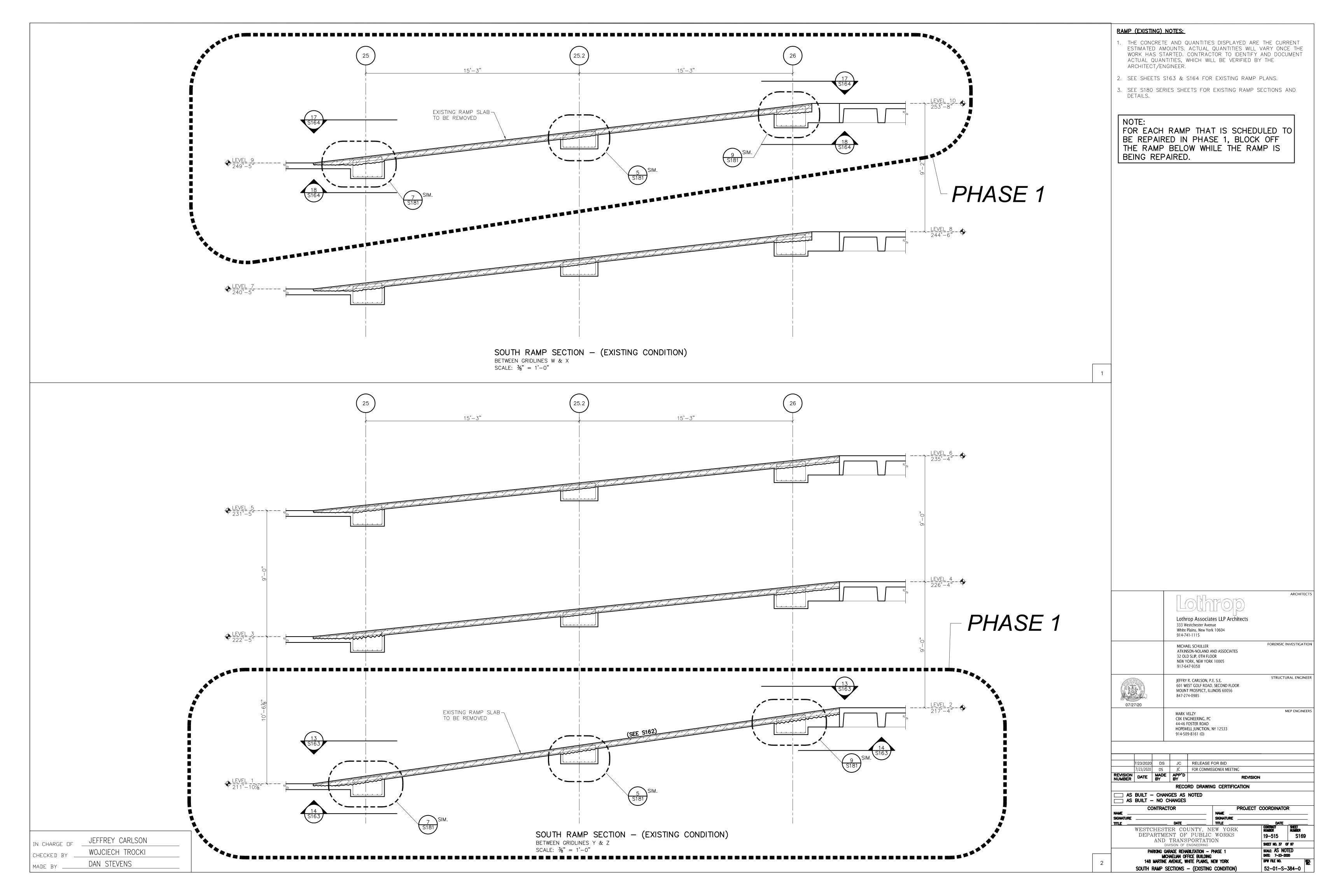
NORTH RAMP PLANS (S-T)

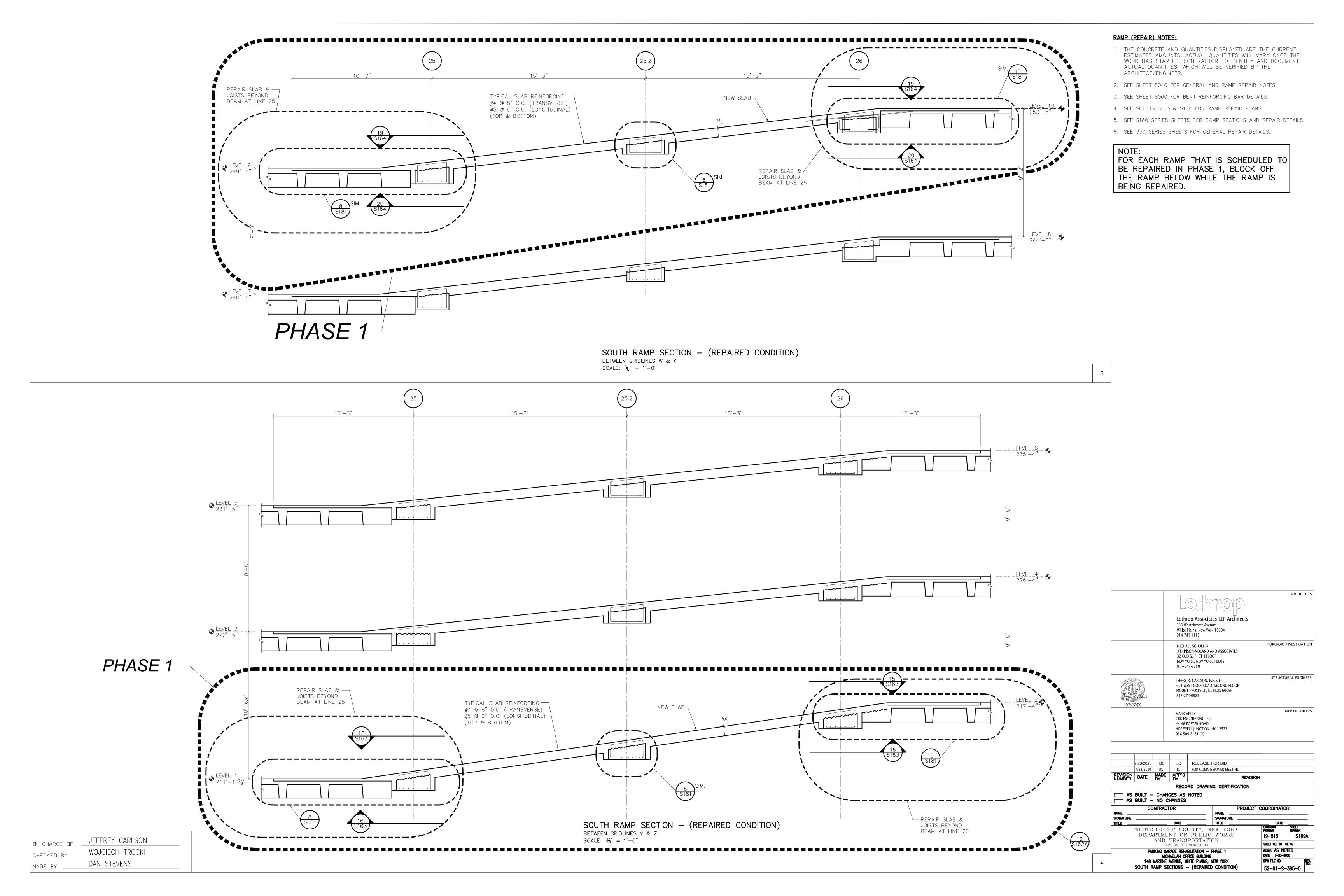
SHEET NO. 38 OF 97

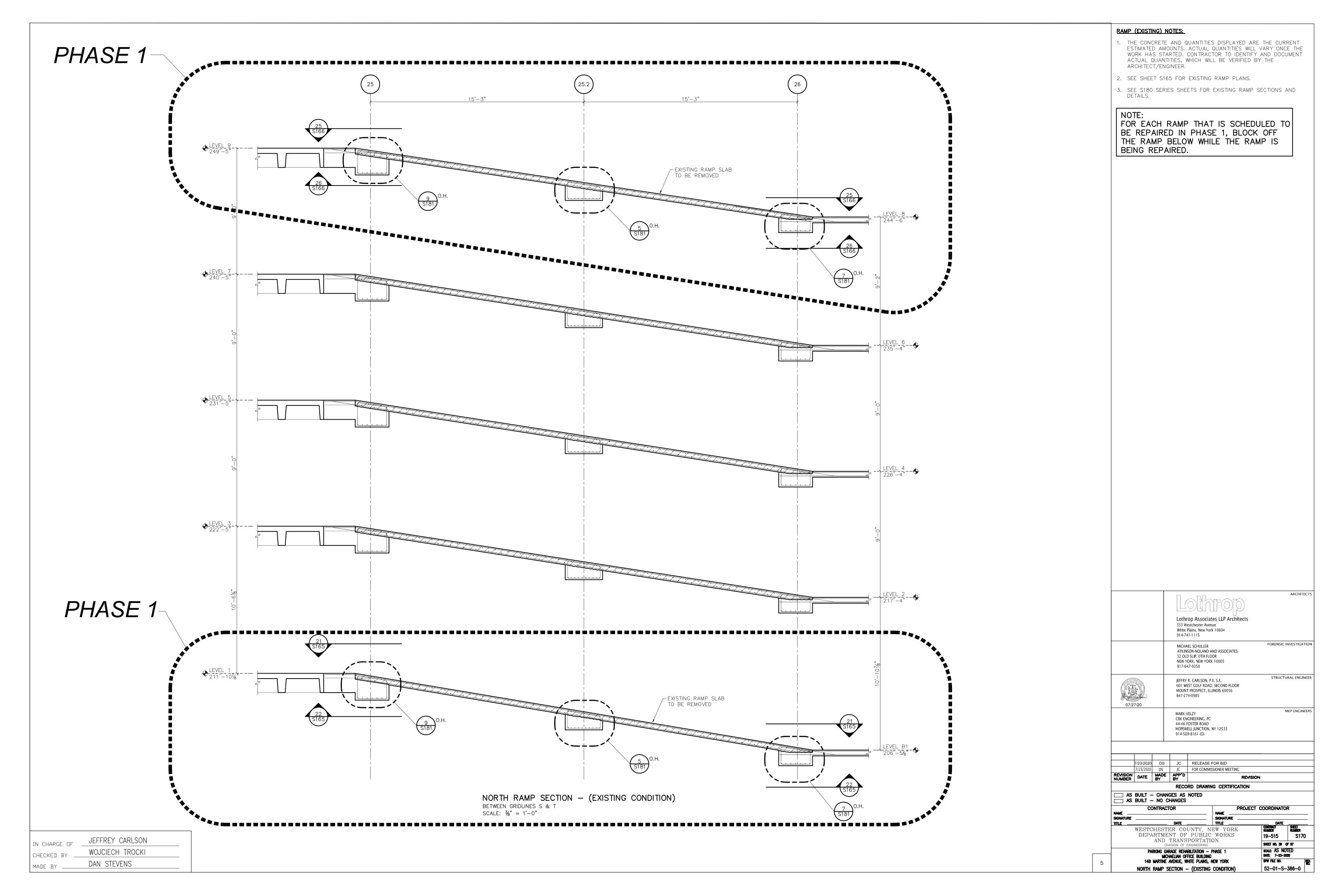
SCALE: AS NOTED
DATE: 7-23-2020

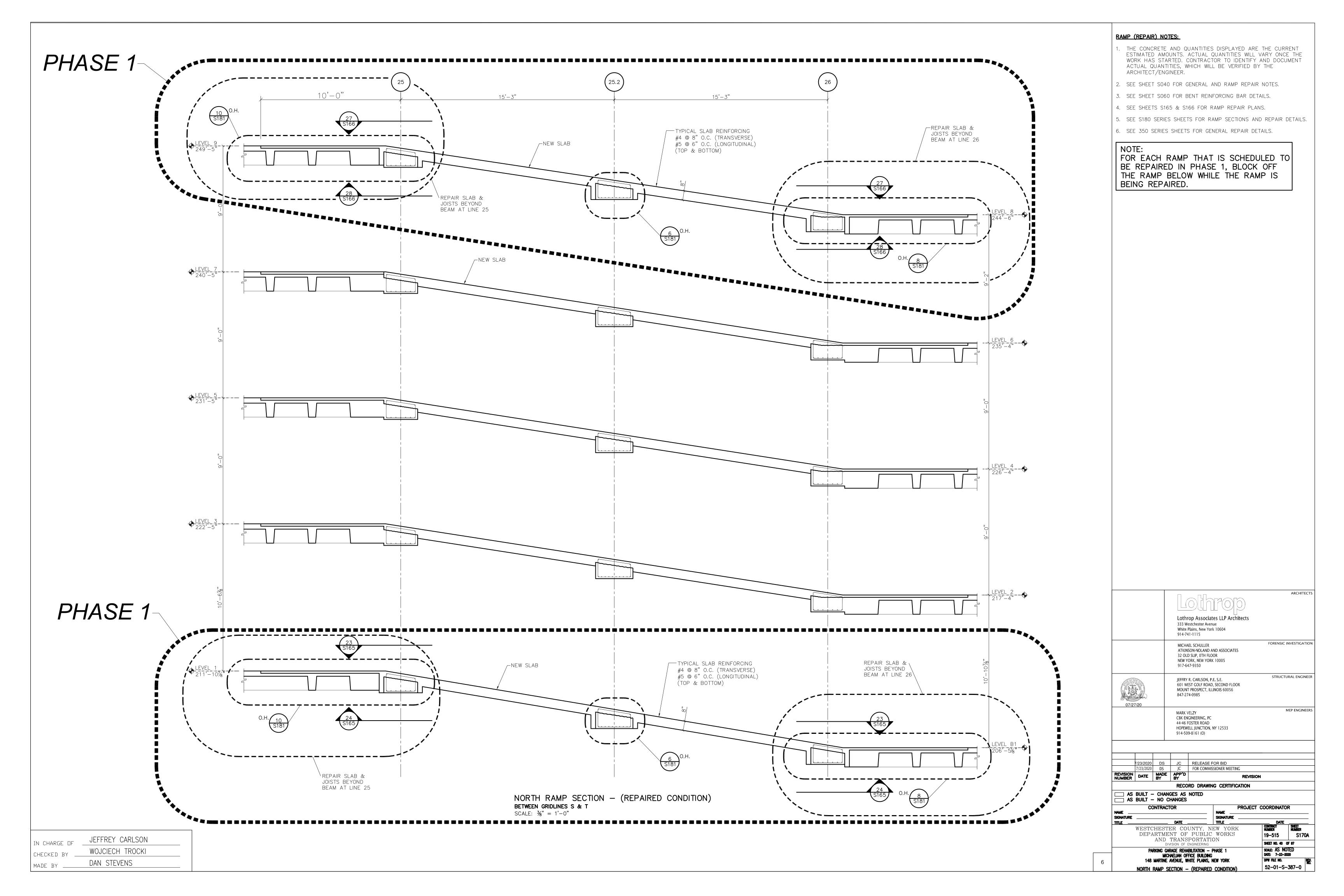
DPW FILE NO.

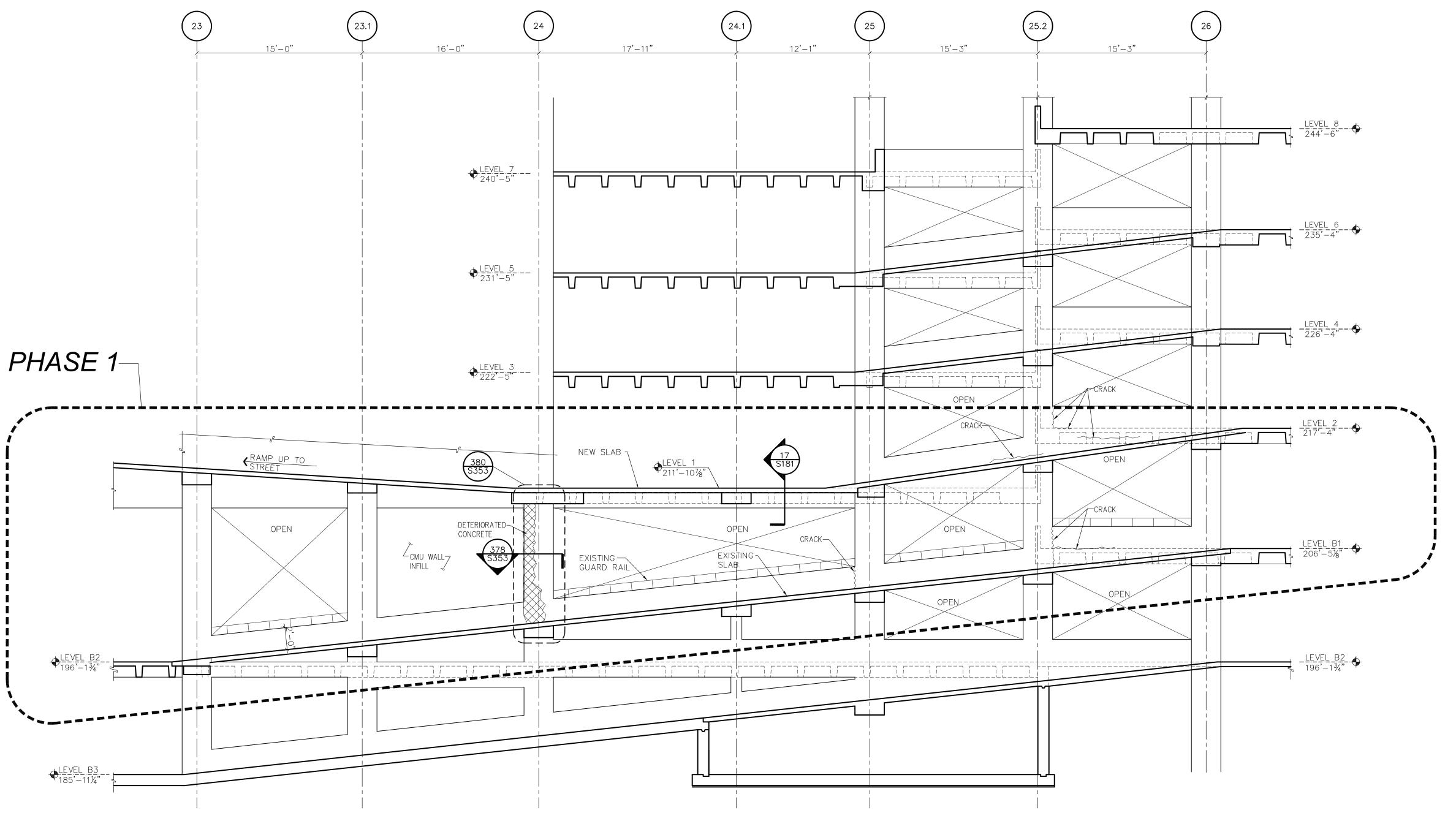
52-01-S-383-0











SOUTH RAMP ELEVATION AT LINE Y LOOKING NORTH (EXISTING CONDITION VIEW)

SCALE: $\frac{3}{16}$ " = 1'-0"

JEFFREY CARLSON WOJCIECH TROCKI CHECKED BY DAN STEVENS MADE BY

NOTES:

- 1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- 2. SEE SHEETS S161 & S162 FOR EXISTING RAMP PLANS.
- 3. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

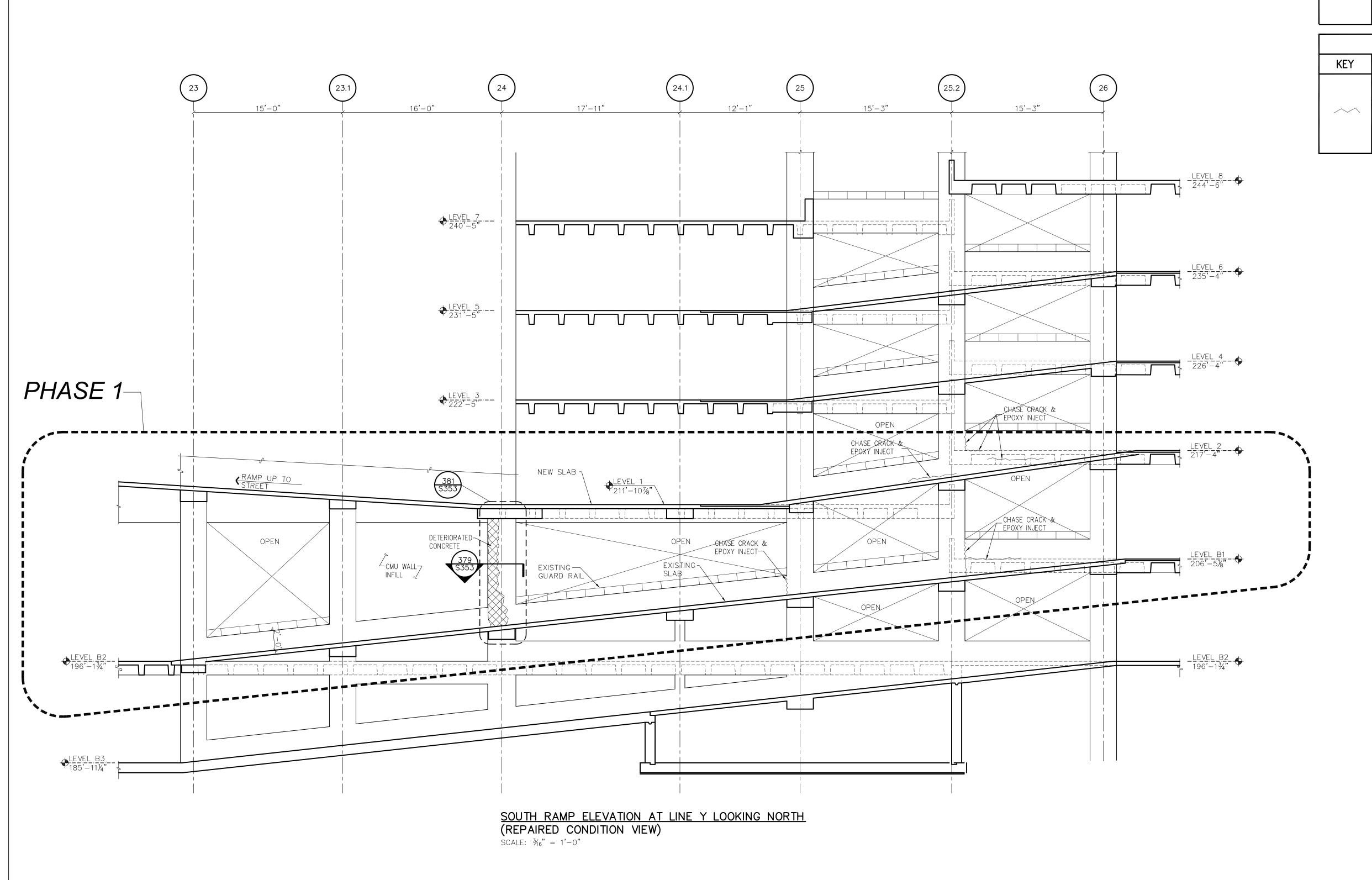
NOTE:

FOR EACH RAMP THAT IS SCHEDULED TO BE REPAIRED IN PHASE 1, BLOCK OFF THE RAMP BELOW WHILE THE RAMP IS BEING REPAIRED.

	Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115	ARCHITEC
	MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350	FORENSIC INVESTIGATI
07/27/20	JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985	STRUCTURAL ENGINE
	MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O)	MEP ENGINEE

	7/23/2020	DS	10	RELEASE FOR BID				
	7/23/2020	DS	JC JC	FOR COMMISSIONER MEETING				
REVISION NUMBER	DATE	MADE BY	APP'D	REVISION				
			RECO	RD DRAWING CERTIFICATION				
	AS BUILT — CHANGES AS NOTED AS BUILT — NO CHANGES							
		NTRACT		PROJECT COORDINATOR				

NAME	CONTRACTOR	PROJI	PROJECT COORDINATOR	
SIGNATURE		SIGNATURE		
TITLE	DATE	TITLE	DATE	-
	WESTCHESTER COUNTY, N	NEW YORK	CONTRACT MUMBER	SHEET NUMBER
	DEPARTMENT OF PUBLIC		19-515	S175
	AND TRANSPORTAT	ION		
	DIVISION OF ENGINEERING		SHEET NO. 41	OF 97
	Parking garage rehabilitation —	PHASE 1	SCALE: AS N	
	MICHAELIAN OFFICE BUILDING	G	DATE: 7-23-2	2020
		AAEMAA AAAA		



TOTAL ELEVATION AREA REPAIR — PHASE 1						
KEY	QTY.	DESCRIPTION	DETAILS			
	4 SF	SHALLOW REPAIR AREA IN SQUARE FEET (SF)				
	9 SF	MEDIUM REPAIR AREA IN SQUARE FEET (SF)	796 <i> </i> 0751			
	1 SF	FULL REPAIR AREA IN SQUARE FEET (SF)	386/S354			
	14 SF	TOTAL ELEVATION AREA FOR REPAIR IN SQUARE FEET (SF)				

	TOTAL EPOXY INJECT OR GROUT AND SEAL — PHASE 1						
KEY	QTY.	DESCRIPTION	DETAILS				
	9 LF	EPOXY INJECT IN LINEAR FEET (LF)					
~	20 LF	GROUT AND SEAL IN LINEAR FEET (SF)	390/\$354				
	29 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)					

NOTES:

- 1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- 2. SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.
- 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE SHEETS 161A & S162A FOR REPAIRED RAMP PLANS.
- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

NOTE:

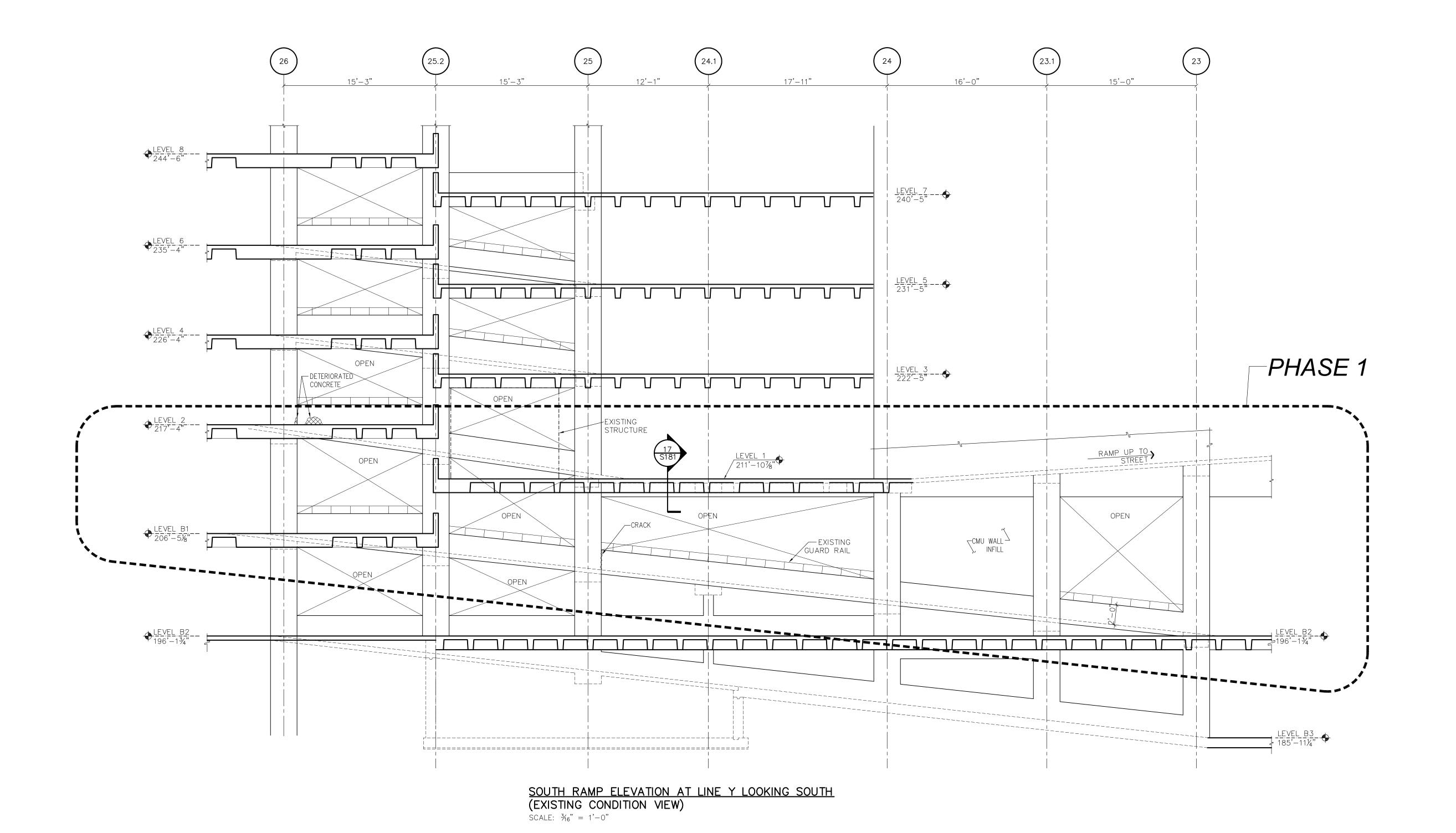
FOR EACH RAMP THAT IS SCHEDULED TO BE REPAIRED IN PHASE 1, BLOCK OFF THE RAMP BELOW WHILE THE RAMP IS BEING REPAIRED.

	Lothrop	ARCHITECTS
	Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115	
	MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350	FORENSIC INVESTIGATION
07/27/20	JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985	STRUCTURAL ENGINEER
	MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O)	MEP ENGINEERS

	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING
REVISION NUMBER	DATE	MADE BY	APP'D BY	REVISION
			RECO	RD DRAWING CERTIFICATION
	BUILT -			NOTED

NAME	CONTRACTOR	NAME	PROJECT	COORDINATO	DR
SIGNATURE		SIGNATURE			
TITLE	DATE	TITLE		DATE	
	WESTCHESTER COUNTY, 1	NEW YOR	2K	CONTRACT NUMBER	SHEET NUMBER
	DEPARTMENT OF PUBLIC	C WORKS	5	19-515	S175A
	AND TRANSPORTAT	ION			
	DIVISION OF ENGINEERING			SHEET NO. 42	OF 97
	PARKING GARAGE REHABILITATION — MICHAELIAN OFFICE BUILDIN			SCALE: AS NO DATE: 7-23-2	

JEFFREY CARLSON WOJCIECH TROCKI CHECKED BY DAN STEVENS MADE BY _



IN CHARGE OF JEFFREY CARLSON

CHECKED BY WOJCIECH TROCKI

MADE BY DAN STEVENS

NOTES:

- 1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- 2. SEE SHEETS S161 & S162 FOR EXISTING RAMP PLANS.
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NOTE:

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	Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115	ARCHITECTS
	MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350	FORENSIC INVESTIGATION
07/27/20	JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985	STRUCTURAL ENGINEER
	MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD	MEP ENGINEERS

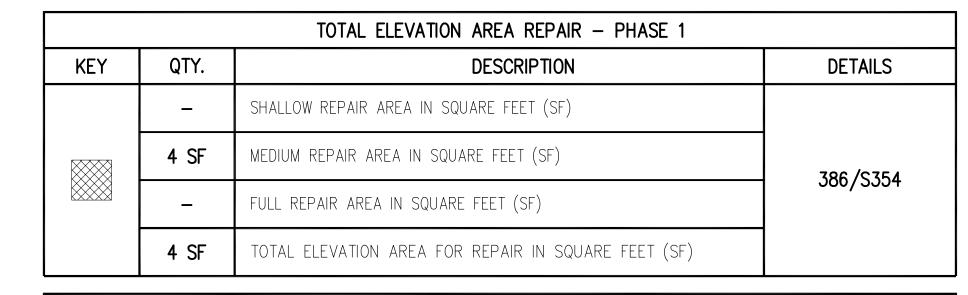
	7/23/2020	DS	JC	RELEASE FOR BID
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING
REVISION NUMBER	DATE	MADE BY	APP'D	REVISION
			RECO	RD DRAWING CERTIFICATION

HOPEWELL JUNCTION, NY 12533

_	AS BUILT — CHANGES AS NOTED AS BUILT — NO CHANGES	
	CONTRACTOR	
JAME		NAME

NAME	CONTRACTOR	NAME	PROJECT	COORDINATO)R
SIGNATURE TITLE	DATE	SIGNATURE TITLE		DATE	
	WESTCHESTER COUNTY, DEPARTMENT OF PUBLI AND TRANSPORTAT	C WORKS		CONTRACT NUMBER 19-515	SHEET NUMBER S175E
	DIVISION OF ENGINEERING			SHEET NO. 43	OF 97
	PARKING GARAGE REHABILITATION - MICHAELIAN OFFICE BUILDII			SCALE: AS NO DATE: 7-23-2	
	148 MARTINE AVENUE, WHITE PLAINS	, NEW YORK		DPW FILE NO.	R

SOUTH RAMP ELEVATION AT LINE Y LOOKING SOUTH (EXISTING CONDITION) 52-01-S-390-0



TOTAL EPOXY INJECT OR GROUT AND SEAL — PHASE 1							
KEY	QTY.	DESCRIPTION	DETAILS				
	9 LF	EPOXY INJECT IN LINEAR FEET (LF)					
^	20 LF	GROUT AND SEAL IN LINEAR FEET (SF)	390/\$354				
	29 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)					

NOTES:

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- 2. SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.
- 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE SHEETS 161A & S162A FOR REPAIRED RAMP PLANS.
- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

FOR EACH RAMP THAT IS SCHEDULED TO BE REPAIRED IN PHASE 1, BLOCK OFF THE RAMP BELOW WHILE THE RAMP IS BEING REPAIRED.

	Lothrop	ARCHITECTS
	Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115	
	MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350	FORENSIC INVESTIGATION
07/27/20	JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985	STRUCTURAL ENGINEER
	MARK VELZY CBK ENGINEERING, PC	MEP ENGINEERS

			RECO	RD DRAWING CERTIFICATION
REVISION NUMBER	DATE	MADE BY	APP'D	REVISION
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING
	7/23/2020	DS	JC	RELEASE FOR BID

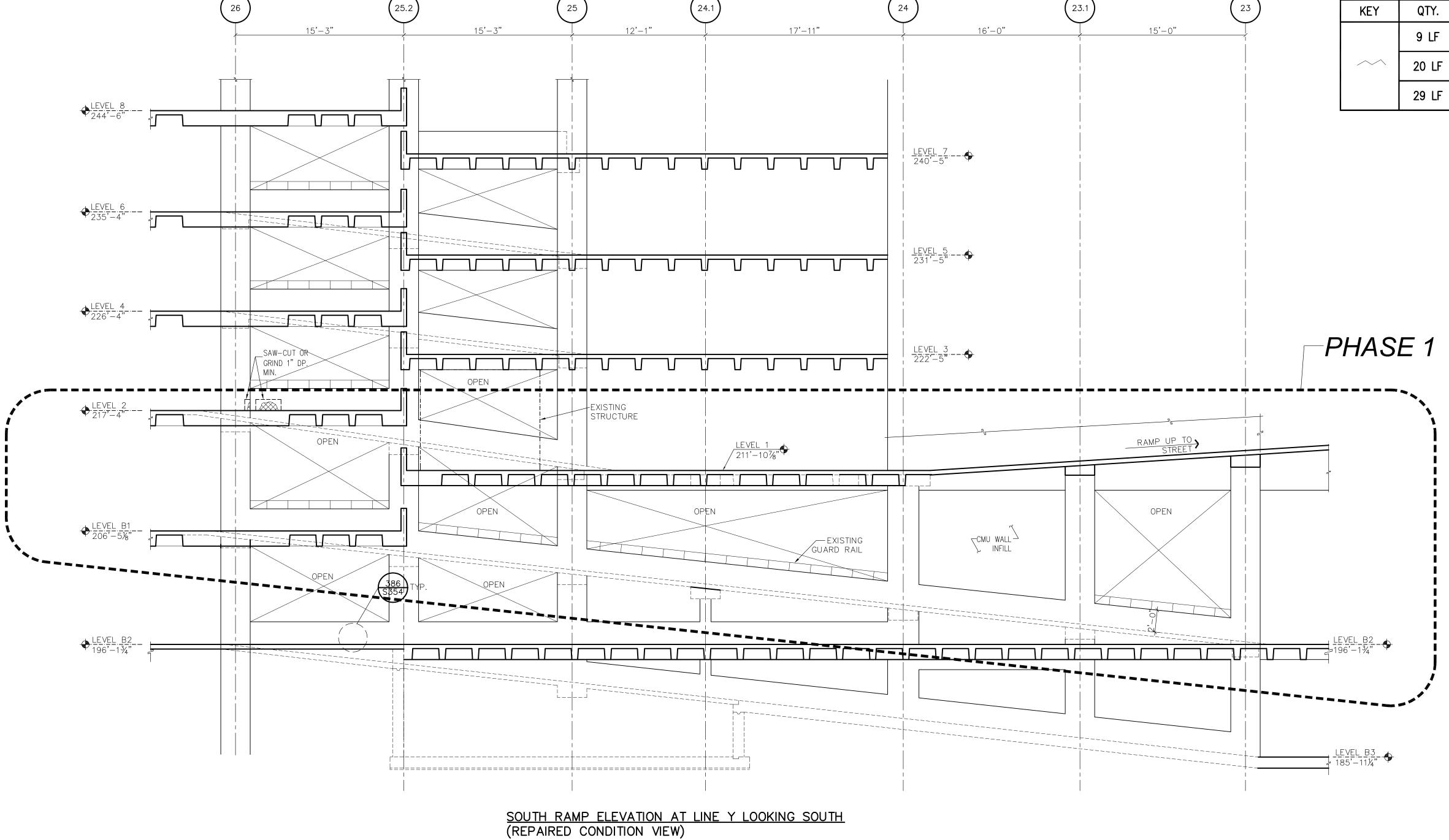
44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533

914-509-8161 (O)

PROJECT COORDINATOR WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS

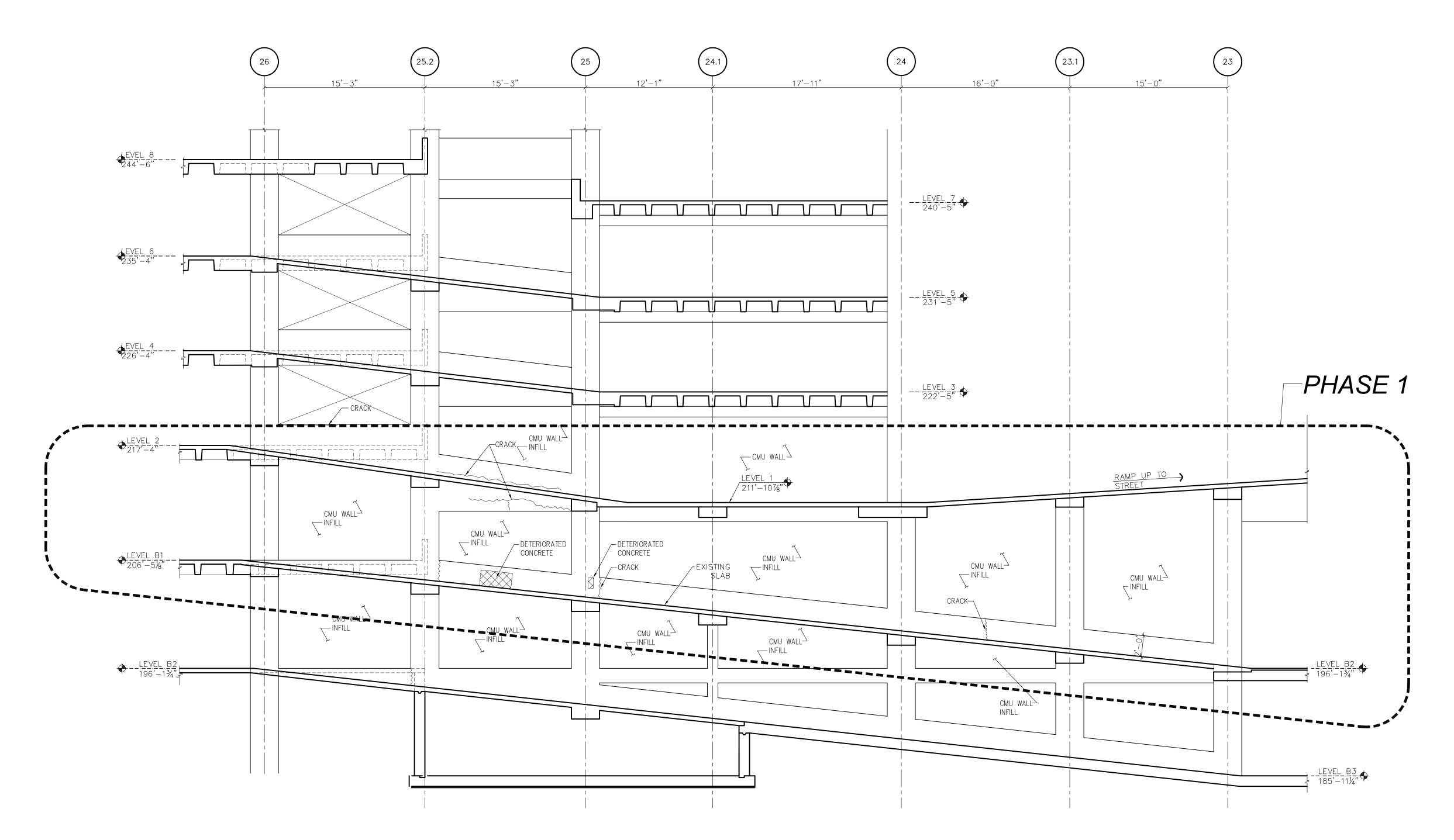
AND TRANSPORTATION
DIVISION OF ENGINEERING SHEET NO. 44 OF 97 SCALE: AS NOTED DATE: 7-23-2020 DPW FILE NO.

PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK | SOUTH RAMP ELEVATION AT LINE Y LOOKING SOUTH (REPAIRED CONDITION) | 52-01-S-391-0 |



SCALE: $\frac{3}{16}$ " = 1'-0"

JEFFREY CARLSON IN CHARGE OF WOJCIECH TROCKI CHECKED BY DAN STEVENS MADE BY



SOUTH RAMP ELEVATION AT LINE Z LOOKING SOUTH (EXISTING CONDITION VIEW)

SCALE: $\frac{3}{16}$ " = 1'-0"

JEFFREY CARLSON IN CHARGE OF WOJCIECH TROCKI CHECKED BY DAN STEVENS MADE BY _

NOTES:

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- 2. SEE SHEETS S161 & S162 FOR EXISTING RAMP PLANS.
- 3. SEE S180 SERIES SHEETS FOR EXISTING RAMP SECTIONS AND DETAILS.

NOTE:

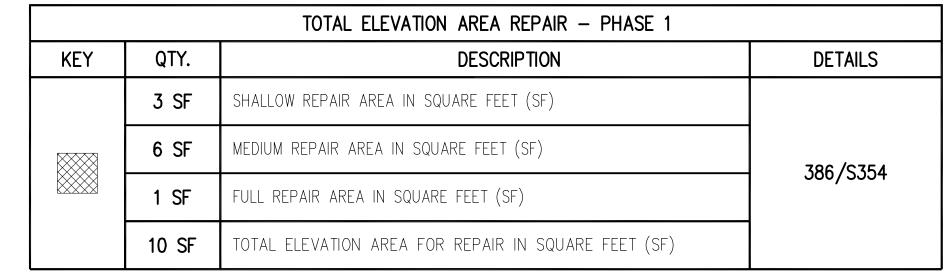
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	Lothrop	ARCHITECTS
	Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115	
	MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350	FORENSIC INVESTIGATION
07/27/20	JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985	STRUCTURAL ENGINEER
	MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O)	MEP ENGINEERS

	7/23/2020	DS	JC	RELEASE FOR BID	
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING	
REVISION NUMBER	DATE	MADE BY	APP'D	REVISION	
	RECORD DRAWING CERTIFICATION				
AS BUILT - CHANGES AS NOTED					

CONTRACTOR NAME SIGNATURE		PROJ NAME SIGNATURE	ECT COORDINATO	OR
TITLE	DATE	TITLE	DATE	
	WESTCHESTER COUNTY, N	NEW YORK	CONTRACT NUMBER	SHEET NUMBER
	DEPARTMENT OF PUBLIC		19-515	S1750
	AND TRANSPORTAT DIVISION OF ENGINEERING	101.	SHEET NO. 45	OF 97
	PARKING GARAGE REHABILITATION -		SCALE: AS N DATE: 7-23-2	

SOUTH RAMP ELEVATION AT LINE Z LOOKING SOUTH (EXISTING CONDITION) 52-01-S-392-0

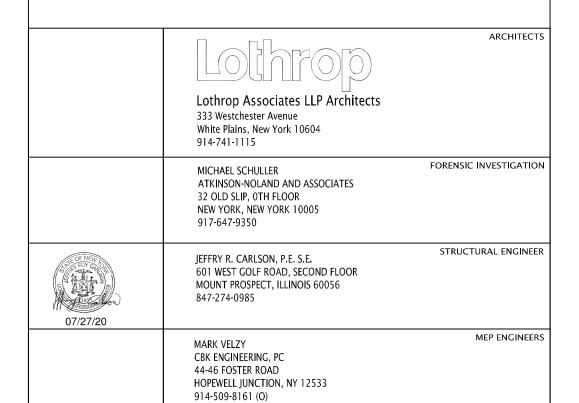


		TOTAL EPOXY INJECT OR GROUT AND SEAL — PHASE 1	
KEY	QTY.	DESCRIPTION	DETAILS
	6 LF	EPOXY INJECT IN LINEAR FEET (LF)	
^	24 LF GROUT AND SEAL IN LINEAR FEET (SF)		390/\$354
	30 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	

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- 2. SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.

- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS.
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

FOR EACH RAMP THAT IS SCHEDULED TO BE REPAIRED IN PHASE 1, BLOCK OFF THE RAMP BELOW WHILE THE RAMP IS



	7/23/2020	DS	JC	RELEASE FOR BID	
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING	
REVISION NUMBER	DATE	MADE BY	APP'D	REVISION	
	RECORD DRAWING CERTIFICATION				
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NAME				COORDINATO	
SIGNATURE	DATE	SIGNATURE			
	WESTCHESTER COUNTY, N. DEPARTMENT OF PUBLIC	EW YOR WORKS	K	CONTRACT NUMBER 19-515	SHEET NUMBER S17
	AND TRANSPORTATION DIVISION OF ENGINEERING	ON		SHEET NO. 46	F 97
	PARKING CARACE REHARILITATION - I	PHASE 1		SCALE: AS NO	TED

12'-1" 17'-11" -- <u>LEVEL 7</u> NOTES: ARCHITECT/ENGINEER. 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS. ___LEVEL_5 4. SEE SHEETS 161A & S162A FOR REPAIRED RAMP PLANS. -PHASE 1 NOTE: ---<u>LEVEL_3</u> CRACK & EPOXY INJECT BEING REPAIRED. CHASE CRACK & EPOXY INJECT CMU WALL CMU WALL^{\(\Delta\)} CHASE CRACK & — EPOXY INJECT 386 \$354 _ SAW-CUT OR-GRIND 1" DP. CHASE __CRACK & CMU WALL CMU WALL ~ EXISTING ── INFILL EPOXY INJECT ─ INFILL CMU WALL

INFILL

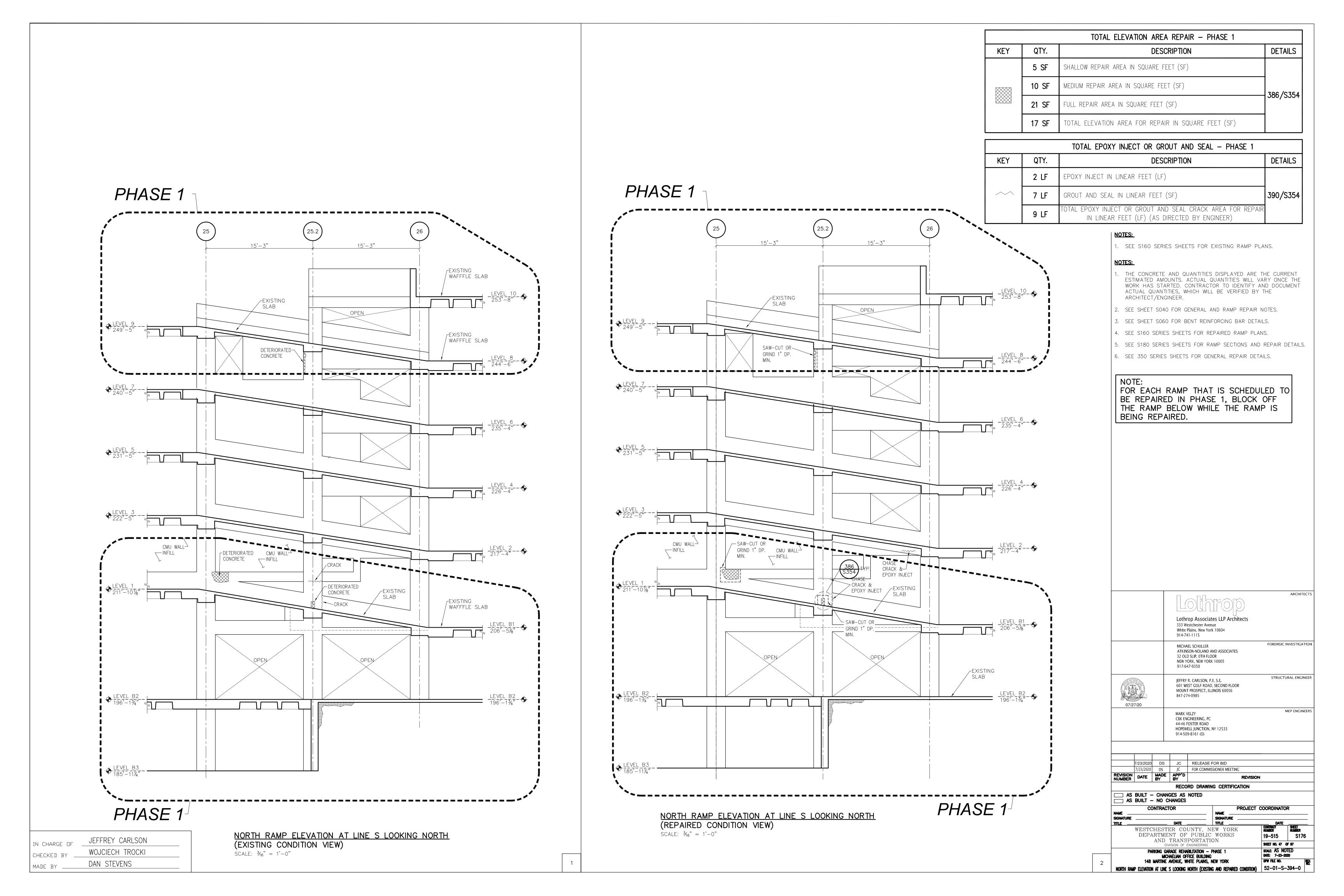
SOUTH RAMP ELEVATION AT LINE Z LOOKING SOUTH (REPAIRED CONDITION VIEW)

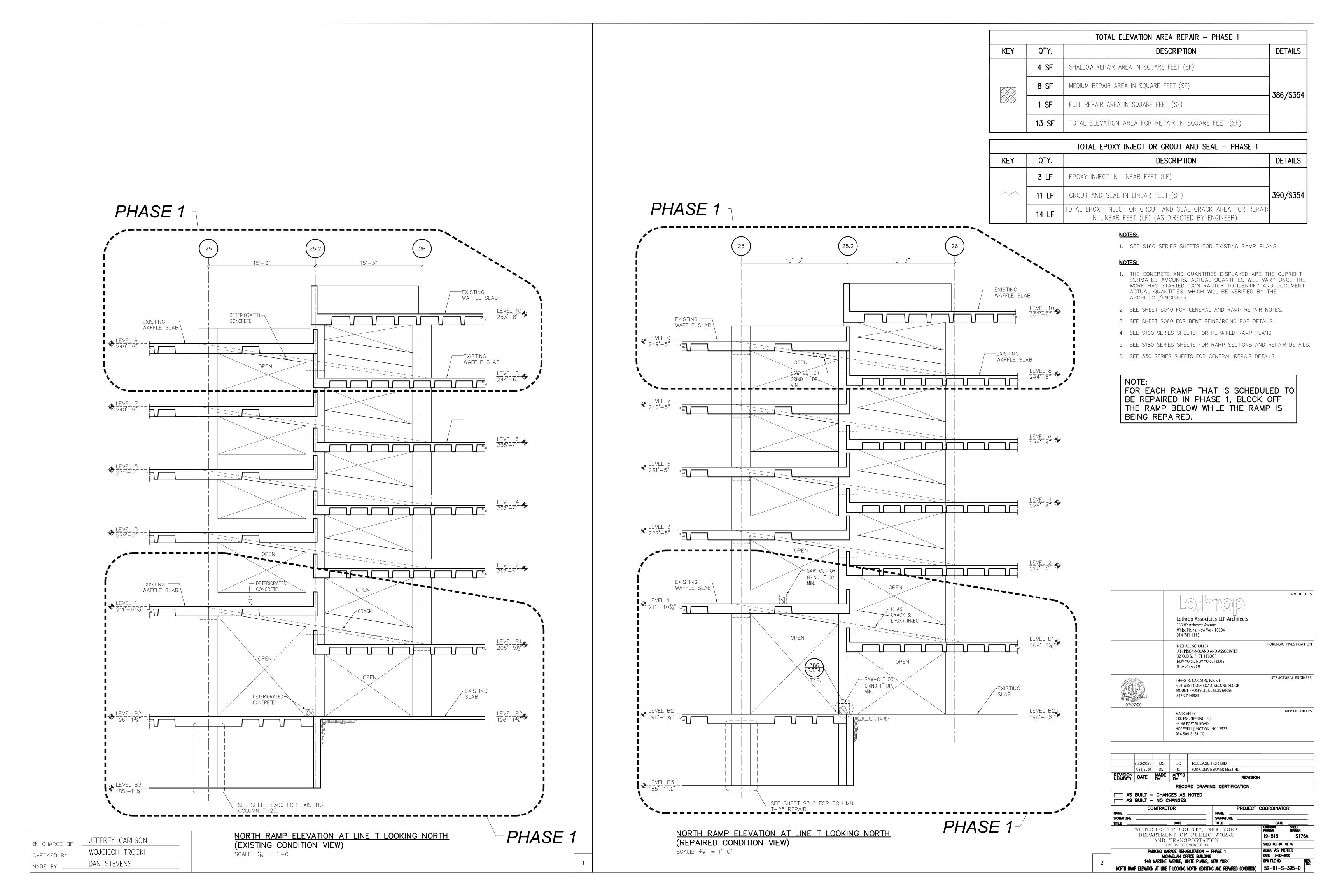
SCALE: $\frac{3}{16}$ " = 1'-0"

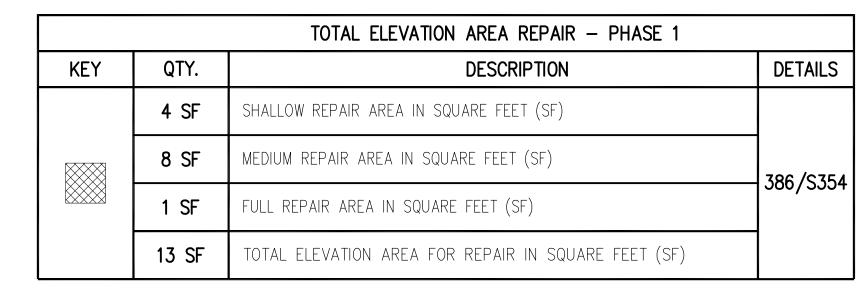
JEFFREY CARLSON IN CHARGE OF WOJCIECH TROCKI CHECKED BY DAN STEVENS MADE BY

MICHAELIAN OFFICE BUILDING

148 MARTINE AVENUE, WHITE PLAINS, NEW YORK DATE: 7-23-2020 | SOUTH RAMP ELEVATION AT LINE Z LOOKING SOUTH (REPAIRED CONDITION) | 52-01-S-393-0







		TOTAL EPOXY INJECT OR GROUT AND SEAL — PHASE 1	
KEY	QTY.	DESCRIPTION	DETAILS
	3 LF	EPOXY INJECT IN LINEAR FEET (LF)	
^	11 LF	GROUT AND SEAL IN LINEAR FEET (SF)	390/S354
	14 LF	TOTAL EPOXY INJECT OR GROUT AND SEAL CRACK AREA FOR REPAIR IN LINEAR FEET (LF) (AS DIRECTED BY ENGINEER)	

PHASE 1 15'-3" 15'-3" EXISTING-SLAB - DETERIORATED CONCRETE EXISTING-DETERIORATED — CONCRETE SEE SHEET S309 FOR EXISTING - COLUMN T-25. NORTH RAMP ELEVATION AT LINE T LOOKING SOUTH (EXISTING CONDITION VIEW) PHASE 1 JEFFREY CARLSON

SCALE: $\frac{3}{16}$ " = 1'-0"

IN CHARGE OF

CHECKED BY

MADE BY

WOJCIECH TROCKI

DAN STEVENS

PHASE 1 15'-3" 15'-3" SAW-CUT OR GRIND 1" DP. MIN. CHASE CRACK & EPOXY INJECT -SAW-CUT OR GRIND 1" DP. MIN. SAW-CUT OR EXISTING~ GRIND 1" DP. SEE SHEET S310 FOR COLUMN -T-25 REPAIR. PHASE 1

NOTES:

1. SEE S160 SERIES SHEETS FOR EXISTING RAMP PLANS.

NOTES:

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- 2. SEE SHEET SO40 FOR GENERAL AND RAMP REPAIR NOTES.
- 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE S160 SERIES SHEETS FOR REPAIRED RAMP PLANS.
- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

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		ARCHITECTS
	Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 914-741-1115	
	MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350	FORENSIC INVESTIGATION
07/27/20	JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985	STRUCTURAL ENGINEER
	MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O)	MEP ENGINEERS

			RECO	RD DRAWING CERTIFICATION	
REVISION NUMBER	DATE	MADE BY	APP'D	REVISION	
	7/23/2020	DS	JC	FOR COMMISSIONER MEETING	
	7/23/2020	DS	JC	RELEASE FOR BID	

AS BUILT — CHANGES AS NOTED
AS BUILT — NO CHANGES

PROJECT COORDINATOR WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING SHEET NO. 49 OF 97

SCALE: AS NOTED DATE: 7-23-2020

52-01-S-396-0

PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

SCALE: $\frac{3}{16}$ " = 1'-0"

NORTH RAMP ELEVATION AT LINE T LOOKING SOUTH (REPAIRED CONDITION VIEW)

PHASE 1 28 29 19-3* 19-5* DISTING SLAB DISTING SLAB SOUTH RAMP ELEVATION AT LINE W LOOKING NORTH (EXISTING CONDITION VIEW) SOUTH RAMP ELEVATION WIEW)

PHASE 1 26 25.2 25 15'-5' 15'-5' 15'-5' 249'-5' 15'-5

SOUTH RAMP ELEVATION AT LINE W LOOKING SOUTH

(EXISTING CONDITION VIEW)

SCALE: $\frac{3}{16}$ " = 1'-0"

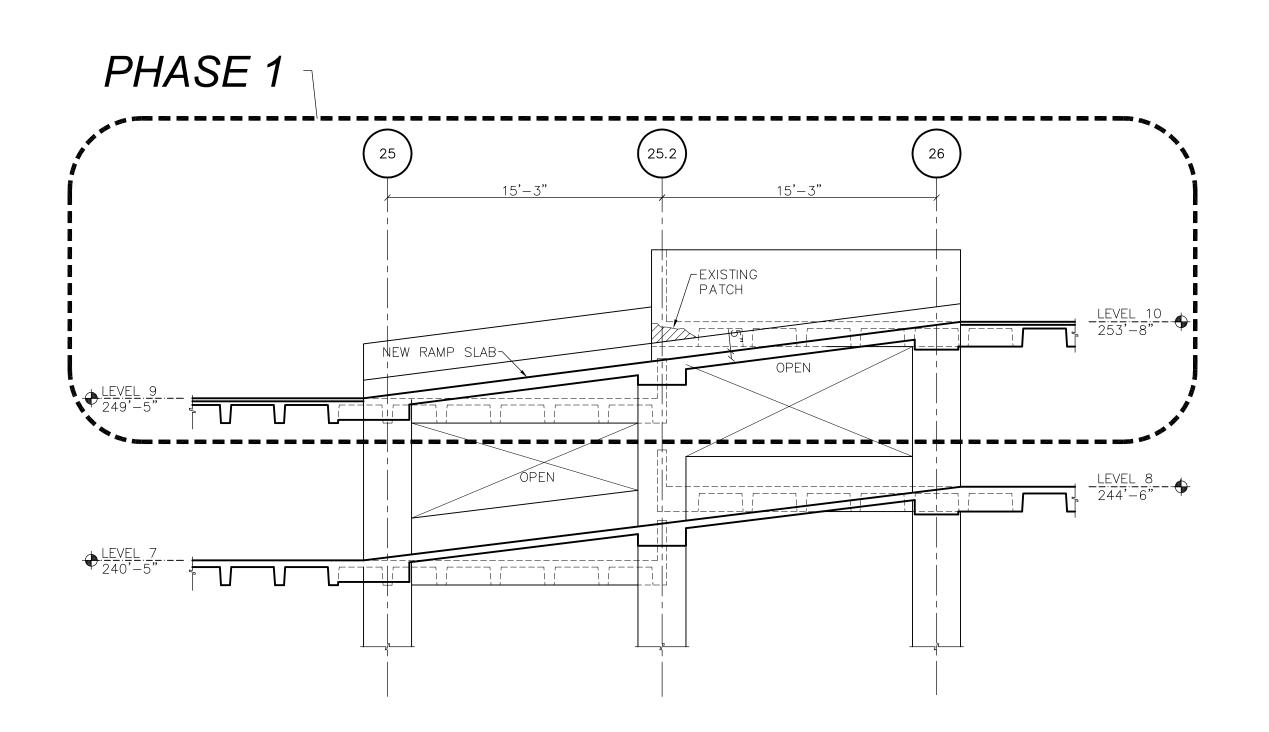
NOTES:

1. SEE S160 SERIES SHEETS FOR EXISTING RAMP PLANS.

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- 2. SEE SHEET S040 FOR GENERAL AND RAMP REPAIR NOTES.
- 3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
- 4. SEE S160 SERIES SHEETS FOR REPAIRED RAMP PLANS.
- 5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS
- 6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

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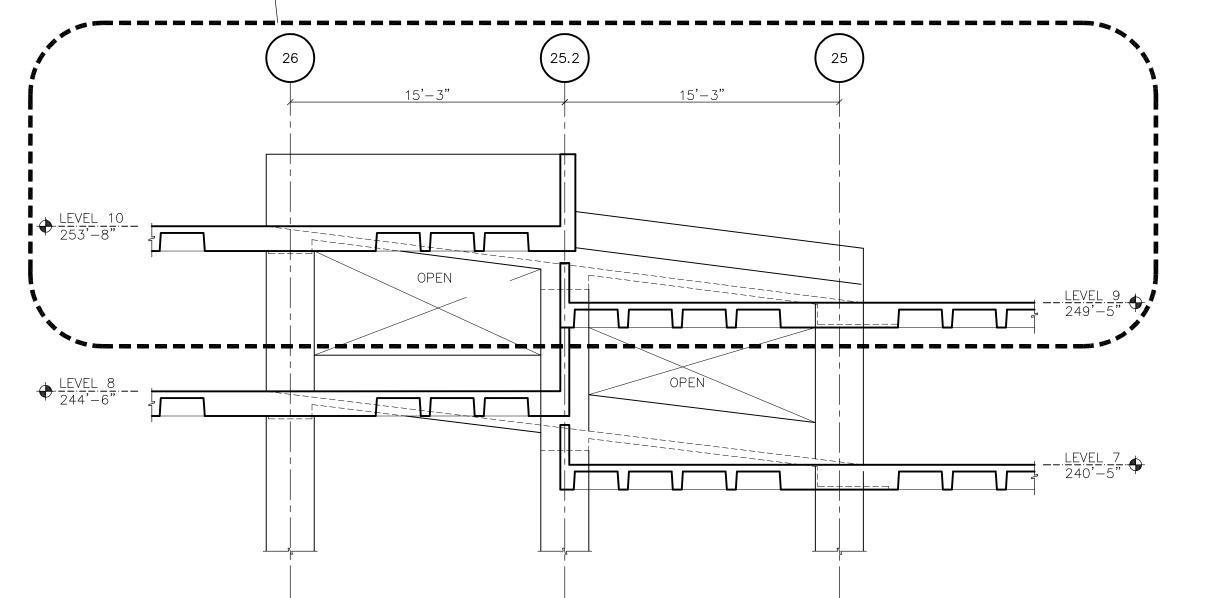


SOUTH RAMP ELEVATION AT LINE W LOOKING NORTH (REPAIRED CONDITION VIEW)

SCALE: $\frac{3}{16}$ " = 1'-0"

IN CHARGE OF	JEFFREY CARLSON
CHECKED BY	WOJCIECH TROCKI
MADE BY	DAN STEVENS





SOUTH RAMP ELEVATION AT LINE W LOOKING SOUTTH (REPAIRED CONDITION VIEW)

SCALE: $\frac{3}{16}$ " = 1'-0"

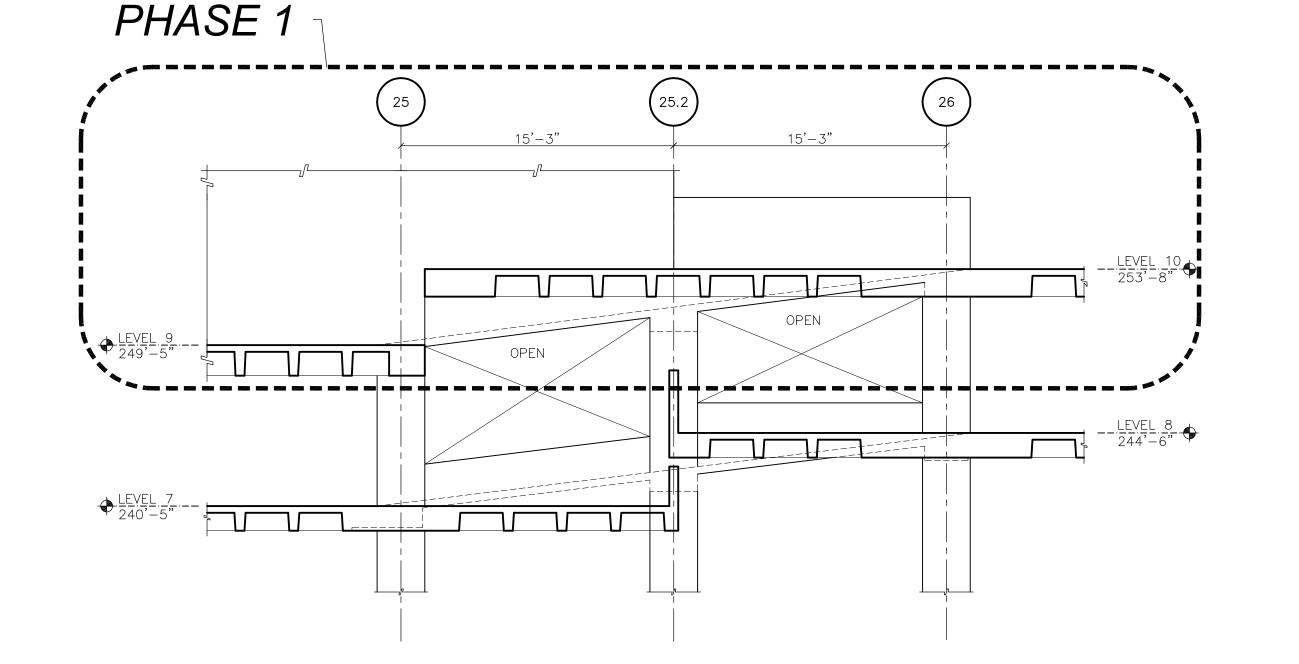
Lothrop Associates LLP Architects 333 Westchester Avenue White Plains, New York 10604 FORENSIC INVESTIGATION MICHAEL SCHULLER ATKINSON-NOLAND AND ASSOCIATES 32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005 917-647-9350 STRUCTURAL ENGINEER JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985 07/27/20 MEP ENGINEER MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533 914-509-8161 (O) 7/23/2020 DS JC RELEASE FOR BID
7/23/2020 DS JC FOR COMMISSIONER MEETING

REVISION DATE MADE APP'D BY RE RECORD DRAWING CERTIFICATION ___ AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES PROJECT COORDINATOR WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING SHEET NO. 50 OF 97 PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK SCALE: AS NOTED DATE: 7-23-2020 DPW FILE NO.

52-01-S-397-0

PHASE 1 15'-3" 15'-3" r EXISTING SLAB SOUTH RAMP ELEVATION AT LINE X LOOKING SOUTH (EXISTING CONDITION VIEW)

SCALE: $\frac{3}{16}$ " = 1'-0"



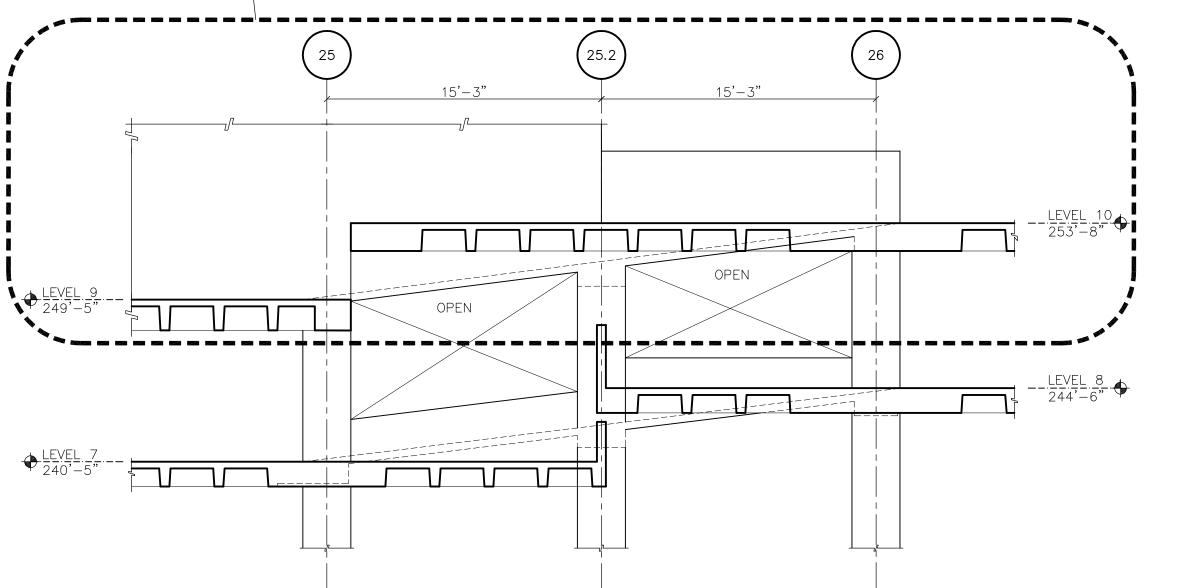
SOUTH RAMP ELEVATION AT LINE X LOOKING NORTH (EXISTING CONDITION VIEW) SCALE: $\frac{3}{16}$ " = 1'-0"

PHASE 1 15'-3" NEW RAMP SLAB

SOUTH RAMP ELEVATION AT LINE X LOOKING SOUTH (REPAIRED CONDITION VIEW) SCALE: $\frac{3}{16}$ " = 1'-0"

IN CHARGE DF	JEFFREY CARLSON
CHECKED BY	WOJCIECH TROCKI
MANF RY	DAN STEVENS

PHASE 1



SOUTH RAMP ELEVATION AT LINE X LOOKING NORTH (REPAIRED CONDITION VIEW) SCALE: $\frac{3}{16}$ " = 1'-0"

___ AS BUILT - CHANGES AS NOTED AS BUILT - NO CHANGES PROJECT COORDINATOR WESTCHESTER COUNTY, NEW YORK DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF ENGINEERING SHEET NO. 51 OF 97 SCALE: AS NOTED DATE: 7-23-2020 PARKING GARAGE REHABILITATION — PHASE 1 MICHAELIAN OFFICE BUILDING 148 MARTINE AVENUE, WHITE PLAINS, NEW YORK

RECORD DRAWING CERTIFICATION

Lothrop Associates LLP Architects

ATKINSON-NOLAND AND ASSOCIATES

JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056

FORENSIC INVESTIGATION

STRUCTURAL ENGINEER

52-01-S-398-0

333 Westchester Avenue White Plains, New York 10604

MICHAEL SCHULLER

917-647-9350

847-274-0985

MARK VELZY CBK ENGINEERING, PC 44-46 FOSTER ROAD HOPEWELL JUNCTION, NY 12533

914-509-8161 (O)

7/23/2020 DS JC RELEASE FOR BID
7/23/2020 DS JC FOR COMMISSIONER MEETING

REVISION DATE MADE APP'D BY RE

07/27/20

32 OLD SLIP, 0TH FLOOR NEW YORK, NEW YORK 10005

1. SEE S160 SERIES SHEETS FOR EXISTING RAMP PLANS.

NOTES:

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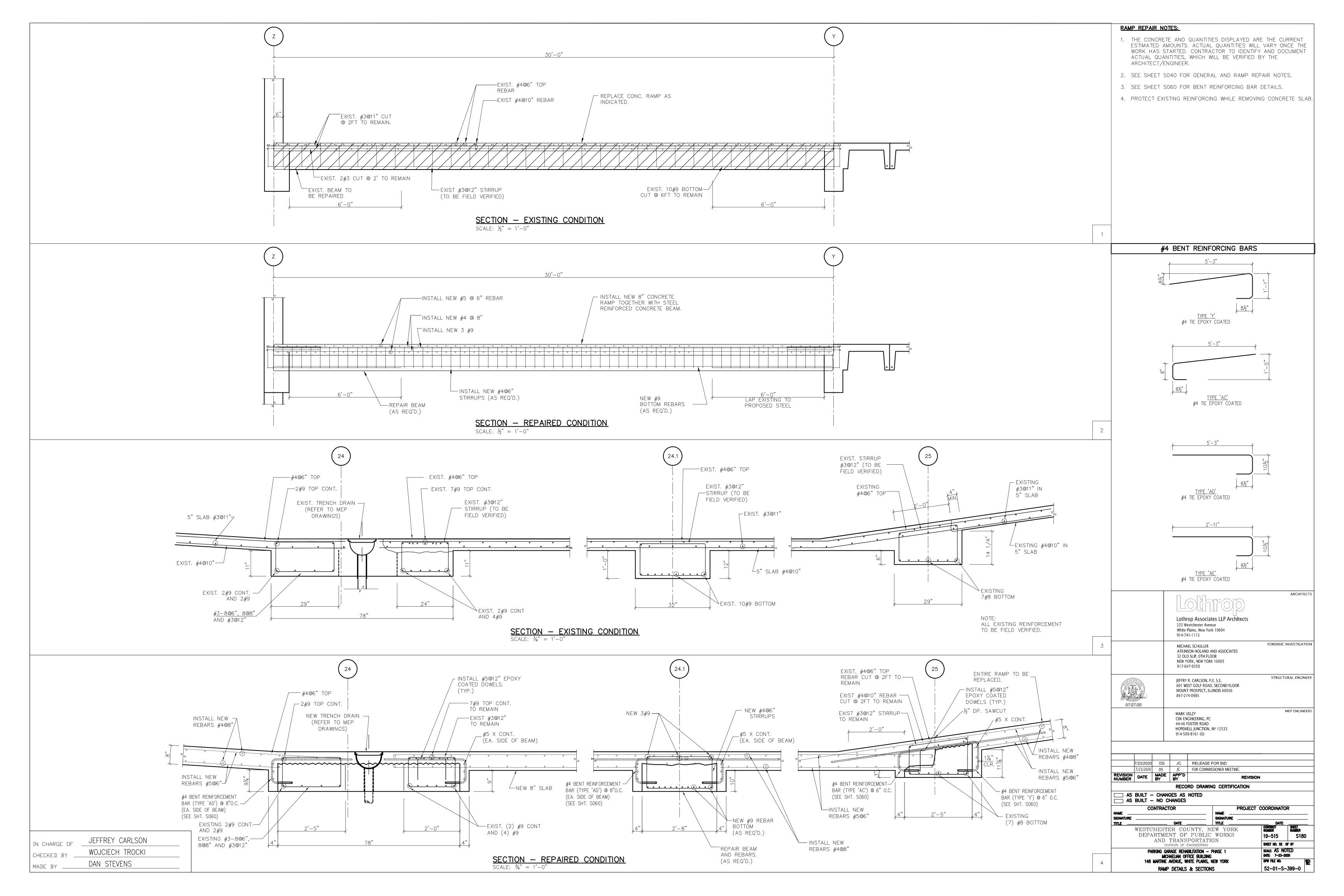
4. SEE S160 SERIES SHEETS FOR REPAIRED RAMP PLANS.

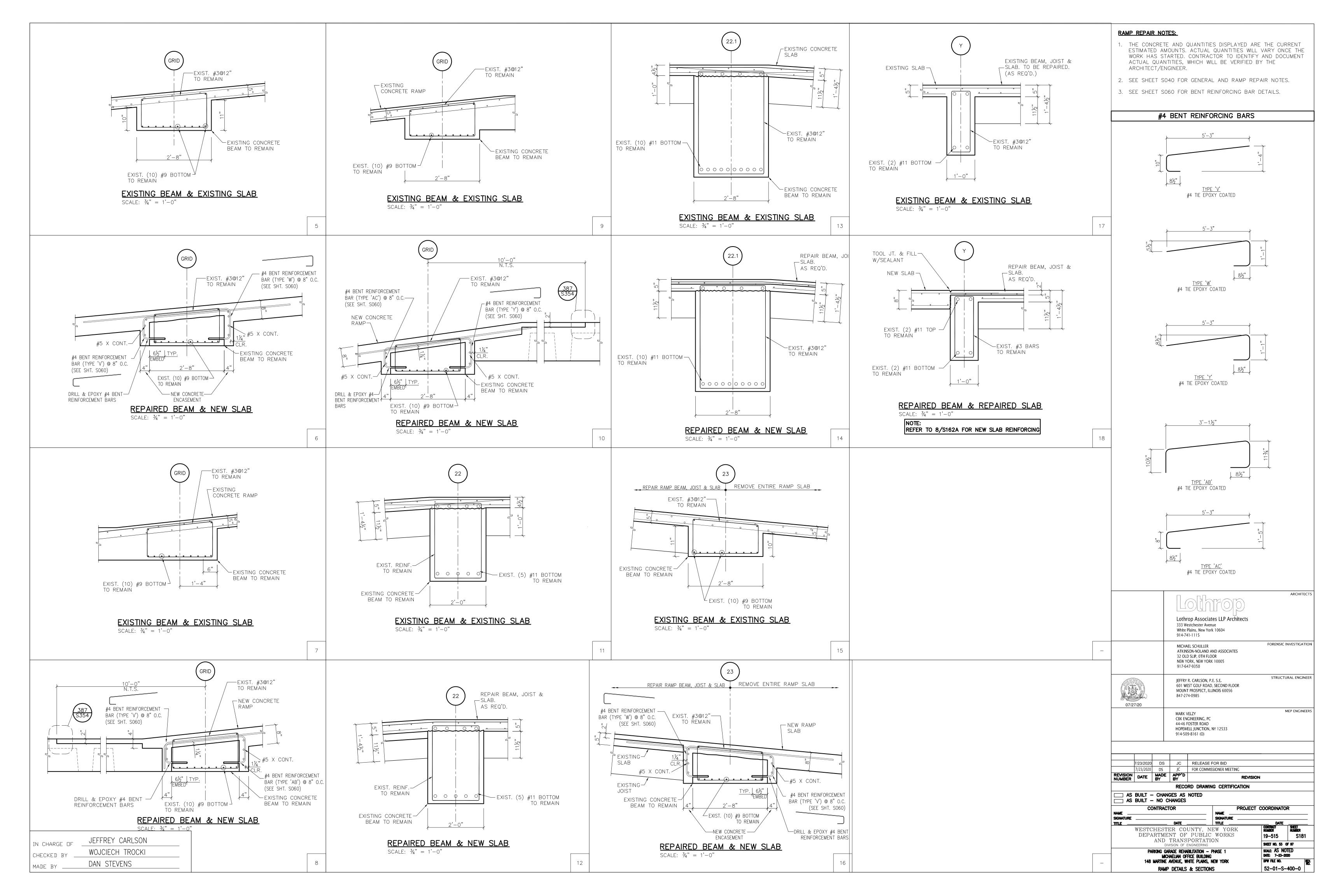
5. SEE S180 SERIES SHEETS FOR RAMP SECTIONS AND REPAIR DETAILS

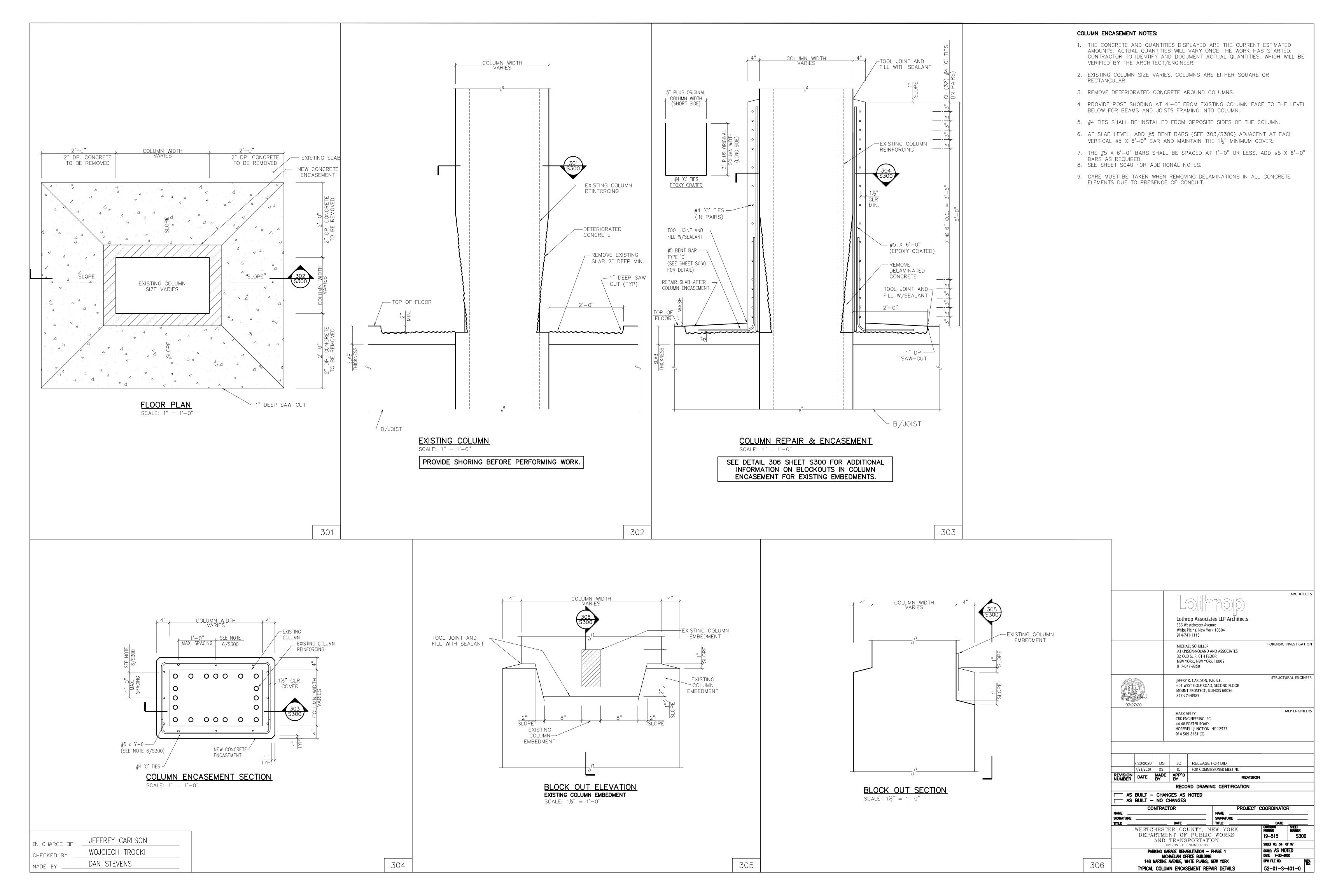
6. SEE 350 SERIES SHEETS FOR GENERAL REPAIR DETAILS.

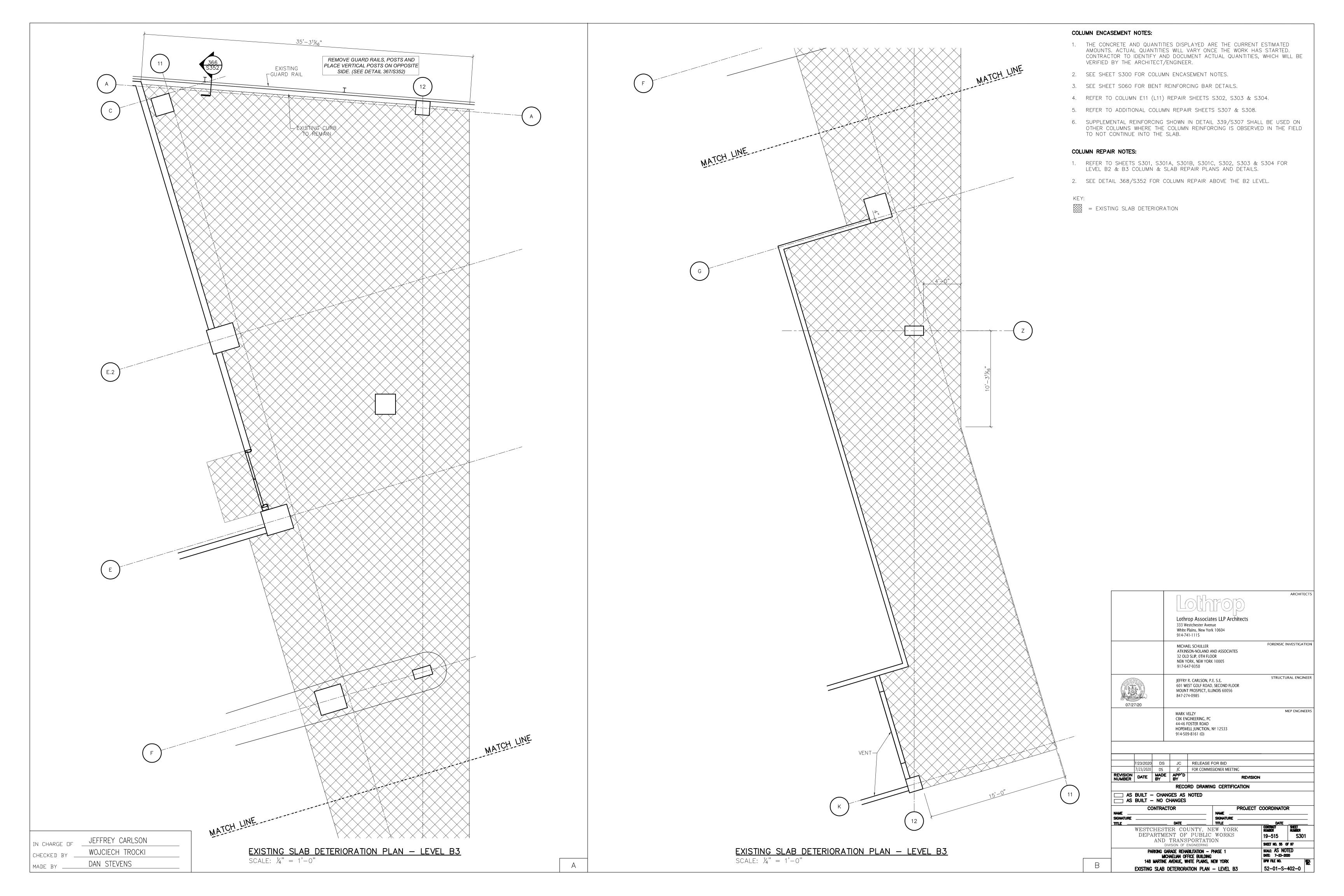
NOTE:

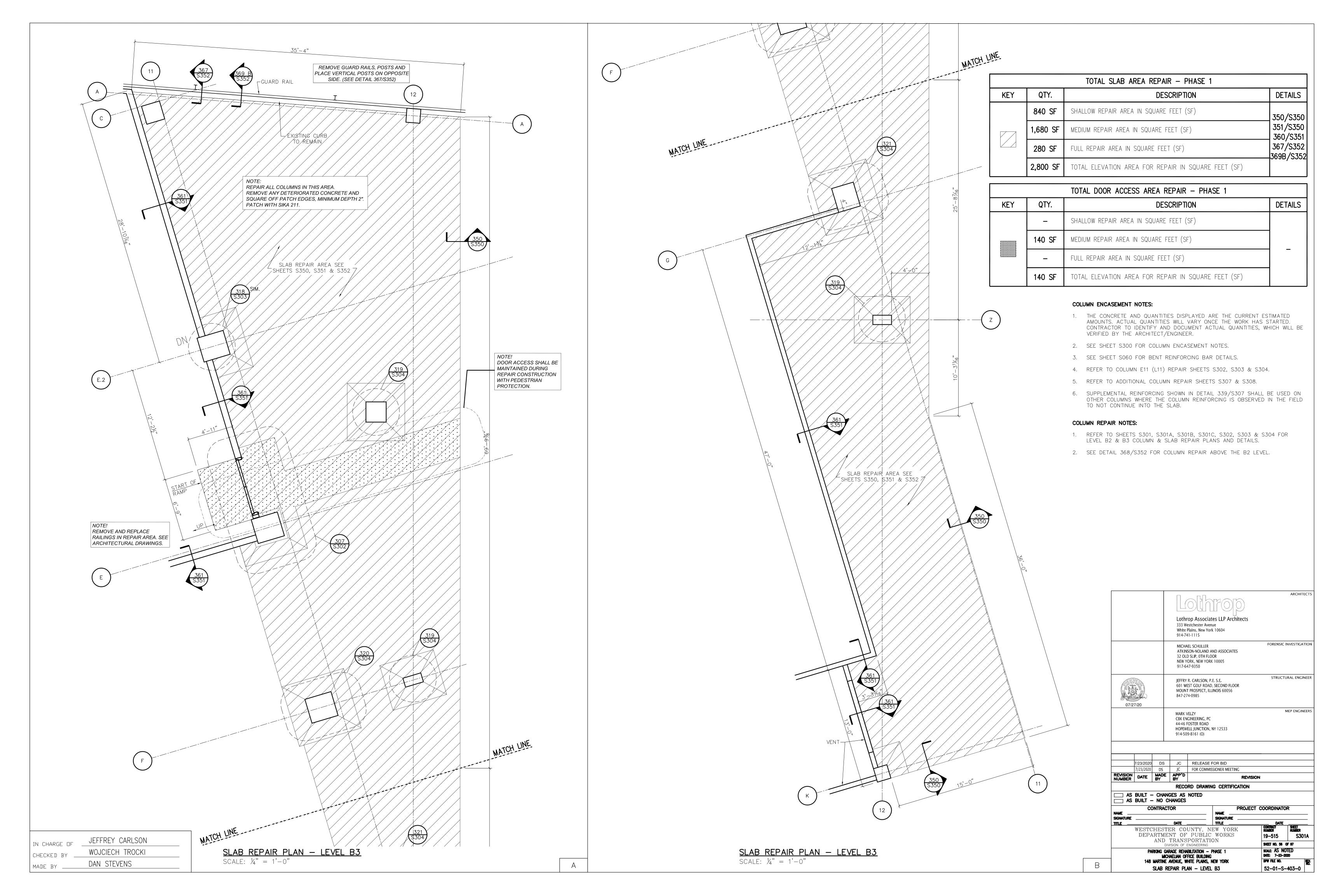
FOR EACH RAMP THAT IS SCHEDULED TO BE REPAIRED IN PHASE 1, BLOCK OFF THE RAMP BELOW WHILE THE RAMP IS BEING REPAIRED.

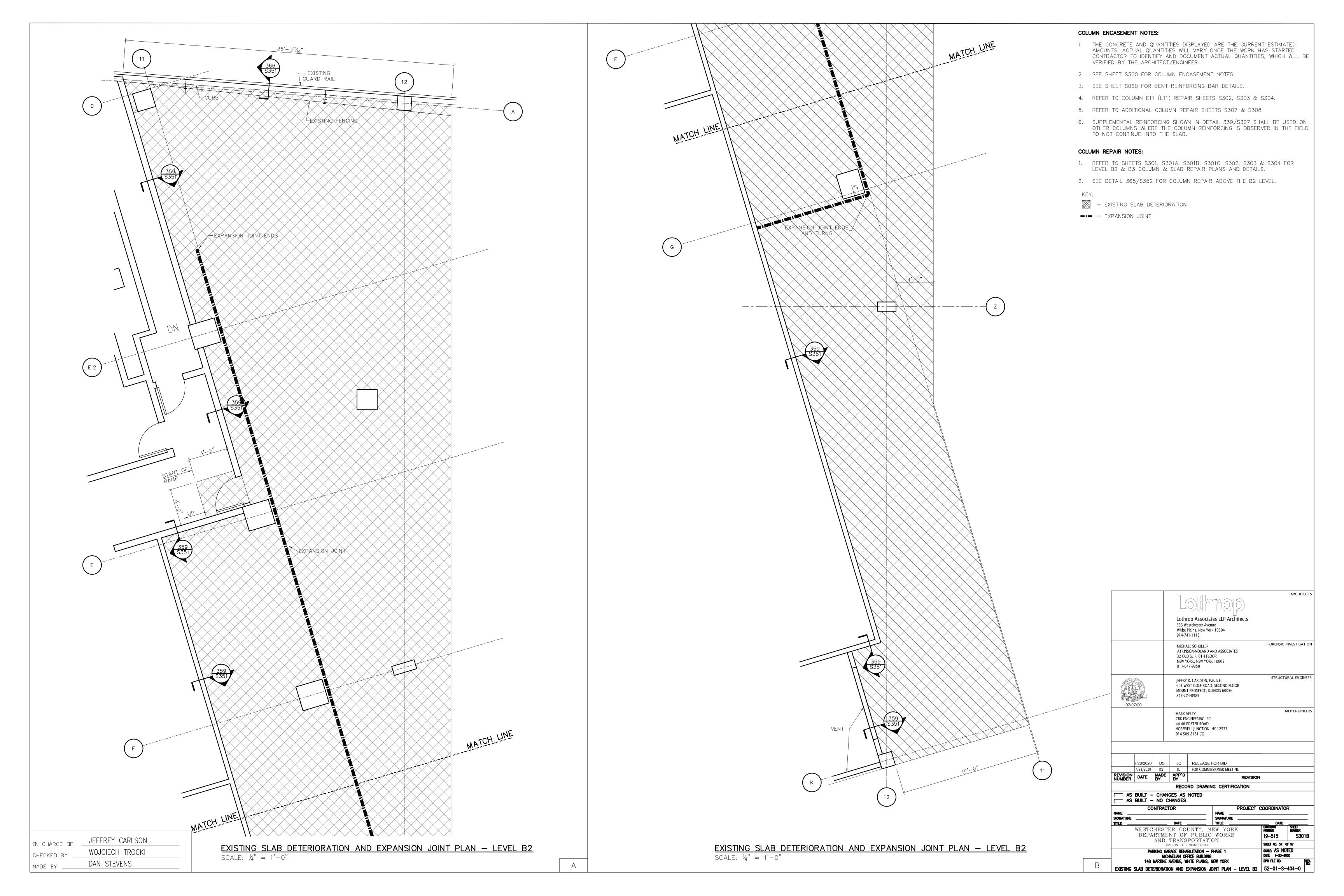


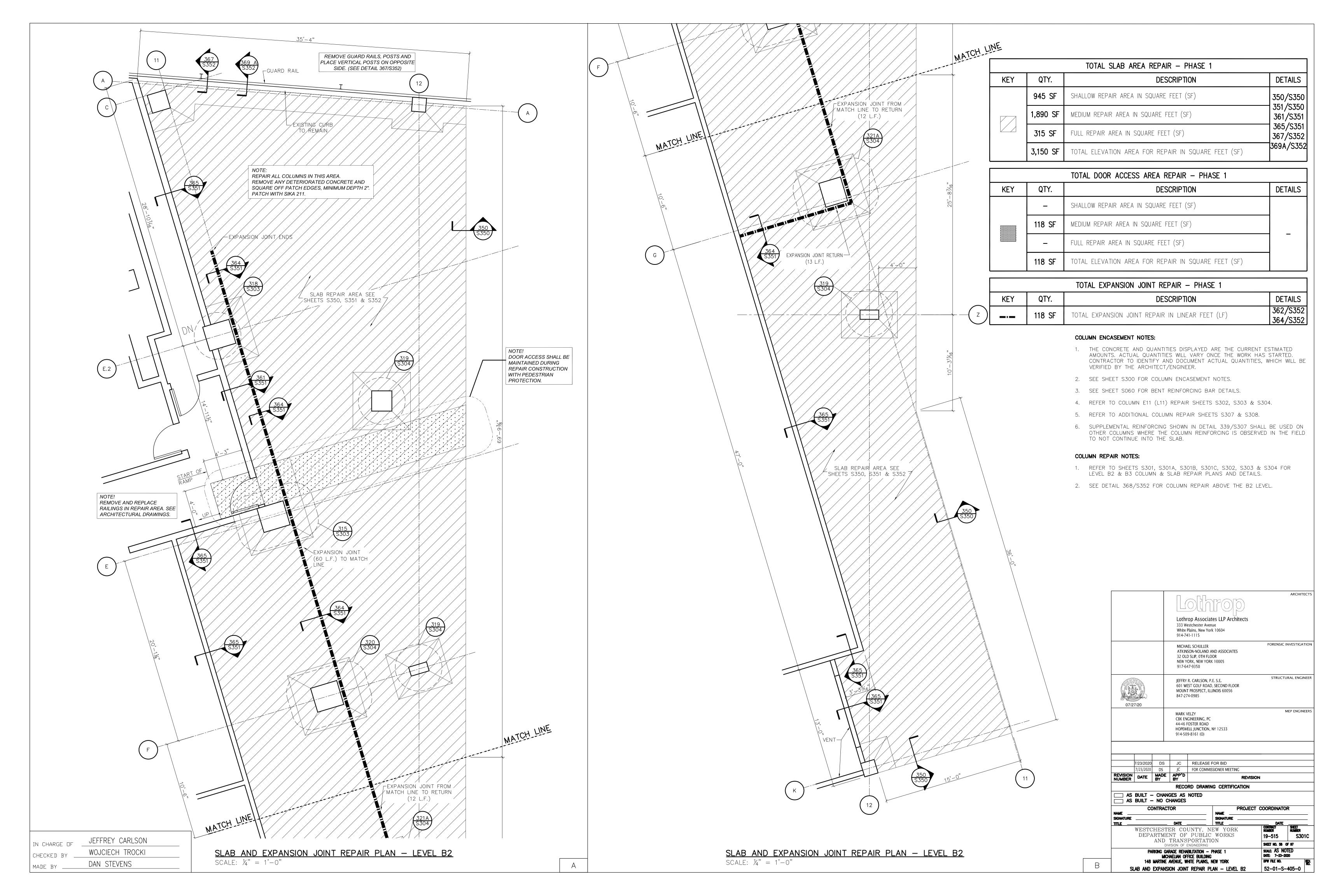


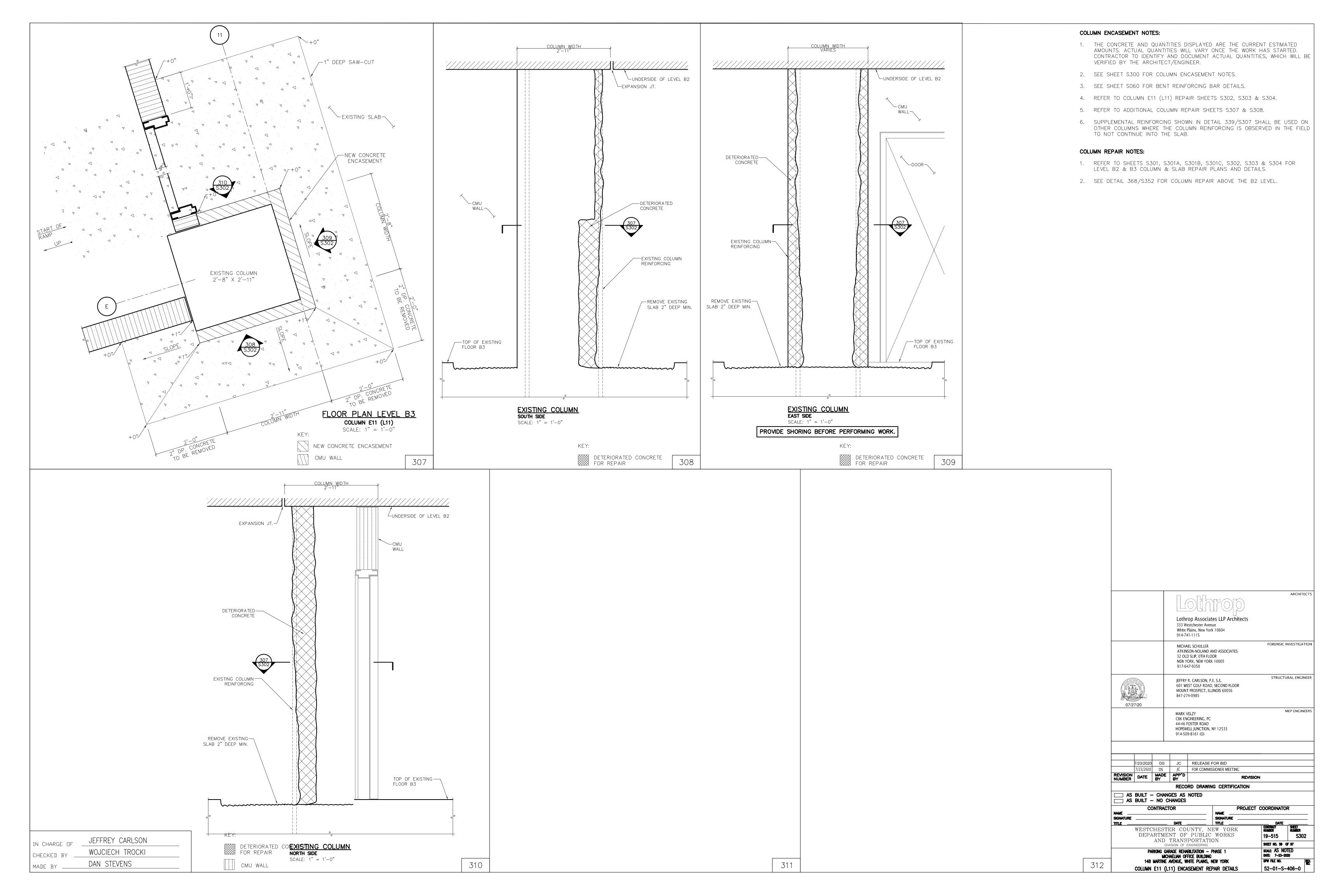


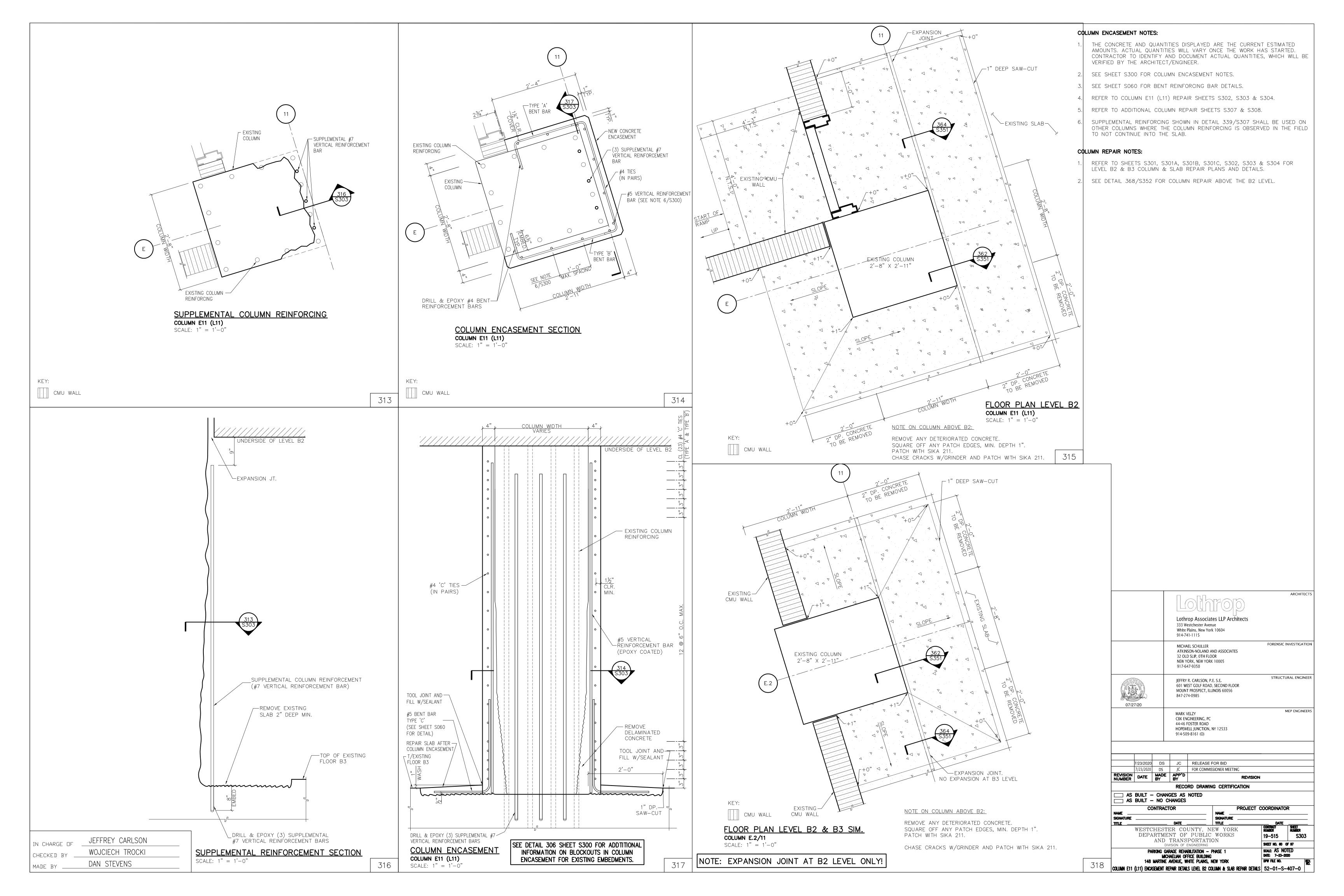


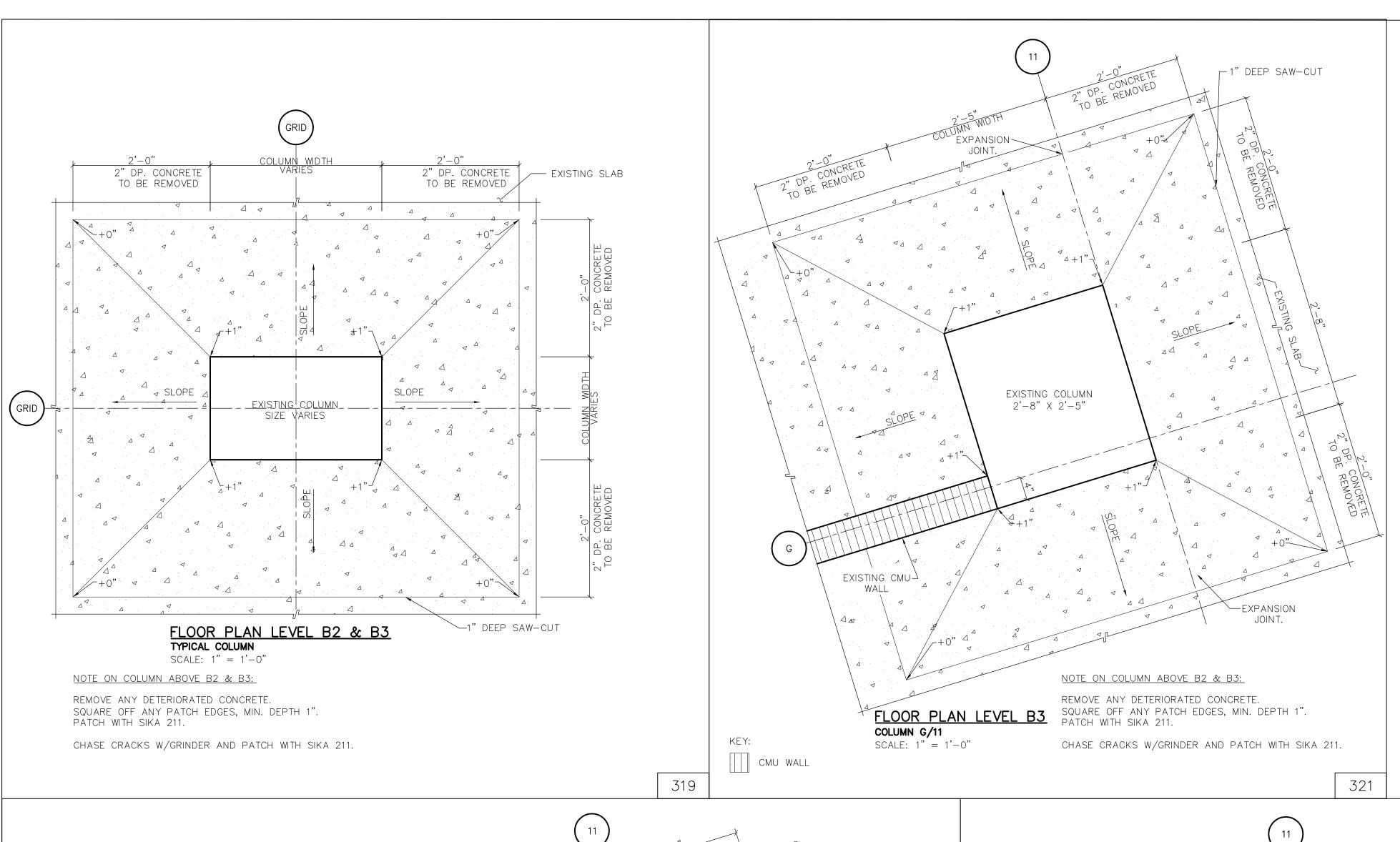












-1" DEEP SAW-CUT -1" DEEP SAW-CUT EXISTING COLUMN 2'-8" X 2'-11" EXISTING COLUMN 2'-8" X 2'-5" EXPANSION JOINĮĀ TURNS∧ -EXPANSION EXPANSION/ -EXPANSION JOINT. NOTE ON COLUMN ABOVE B2 & B3: NOTE ON COLUMN ABOVE B2 & B3: REMOVE ANY DETERIORATED CONCRETE. REMOVE ANY DETERIORATED CONCRETE. SQUARE OFF ANY PATCH EDGES, MIN. DEPTH 1". FLOOR PLAN LEVEL B2 SQUARE OFF ANY PAIC PATCH WITH SIKA 211. SQUARE OFF ANY PATCH EDGES, MIN. DEPTH 1". PATCH WITH SIKA 211. FLOOR PLAN LEVEL B2 & B3 COLUMN G/11 JEFFREY CARLSON COLUMN F/11 CHASE CRACKS W/GRINDER AND PATCH WITH SIKA 211. SCALE: 1" = 1'-0"CHASE CRACKS W/GRINDER AND PATCH WITH SIKA 211. IN CHARGE OF SCALE: 1" = 1'-0"WOJCIECH TROCKI CHECKED BY

320

NOTE: EXPANSION JOINT AT B2 LEVEL ONLY!

DAN STEVENS

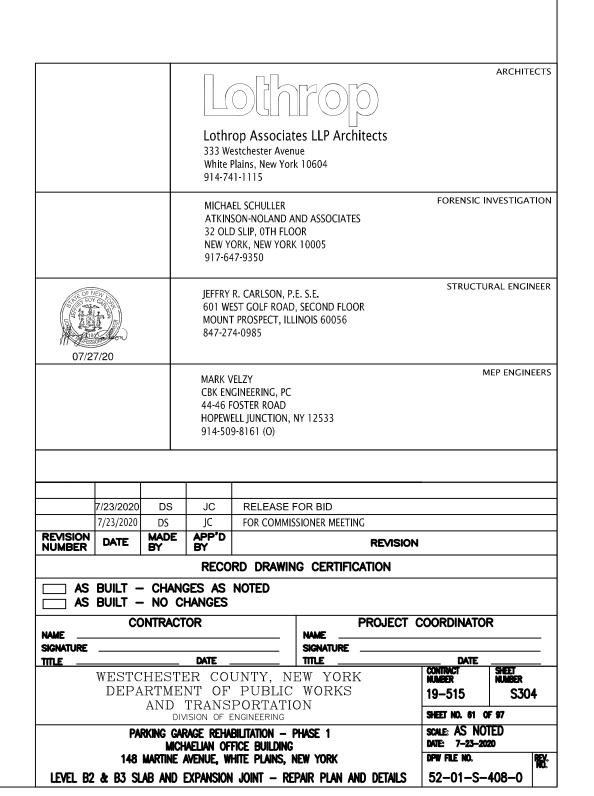
MADE BY

COLUMN ENCASEMENT NOTES:

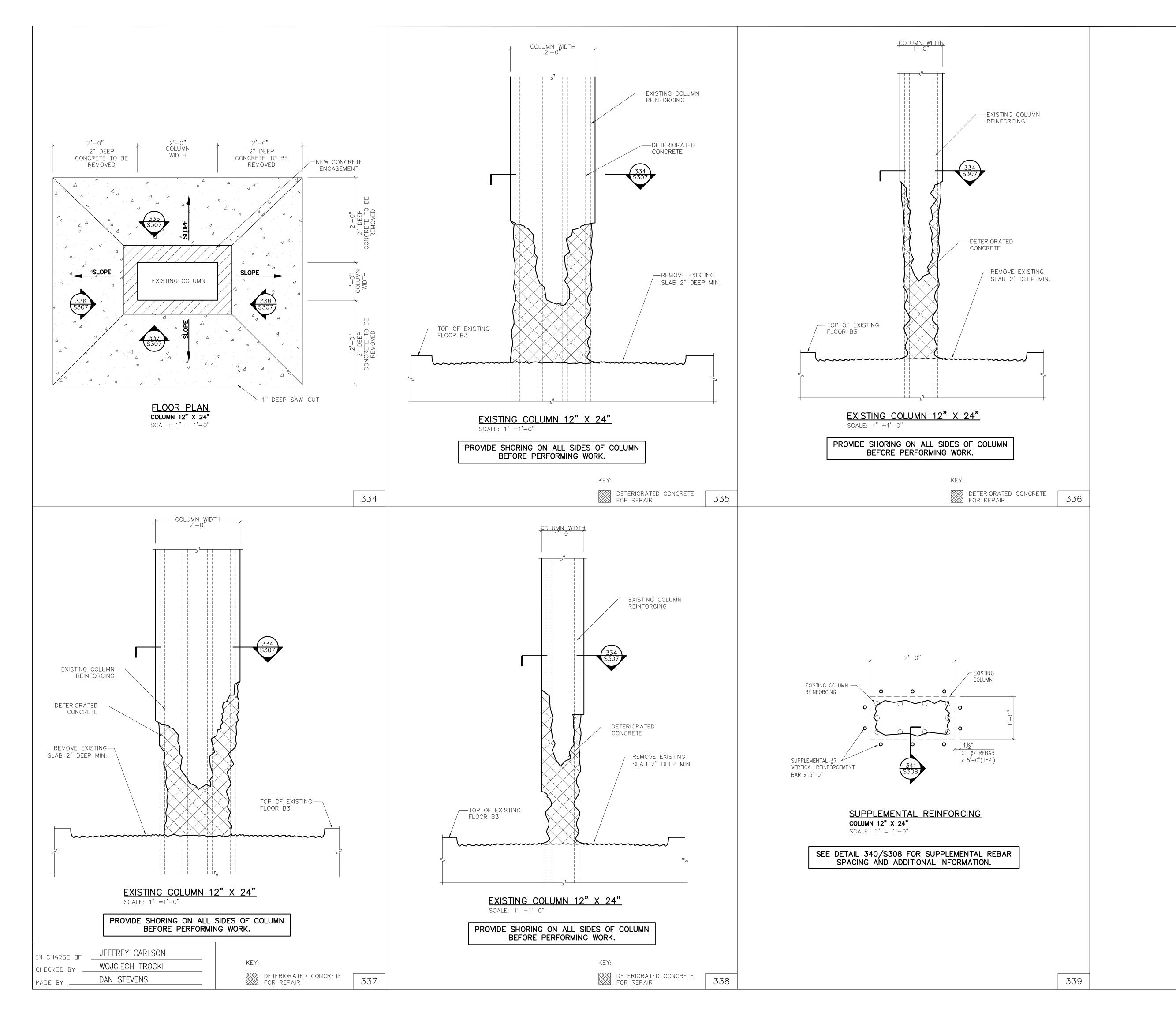
- 1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- 2. SEE SHEET S300 FOR COLUMN ENCASEMENT NOTES.
- 3. SEE SHEET SO60 FOR BENT REINFORCING BAR DETAILS.
- 3. SEE SHEET SUOU FUR BENT REINFURGING BAR DETAILS.
- REFER TO COLUMN E11 (L11) REPAIR SHEETS S302, S303 & S304.
 REFER TO ADDITIONAL COLUMN REPAIR SHEETS S307 & S308.
- 6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

- 1. REFER TO SHEETS S301, S301A, S301B, S301C, S302, S303 & S304 FOR LEVEL B2 & B3 COLUMN & SLAB REPAIR PLANS AND DETAILS.
- 2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.



321A

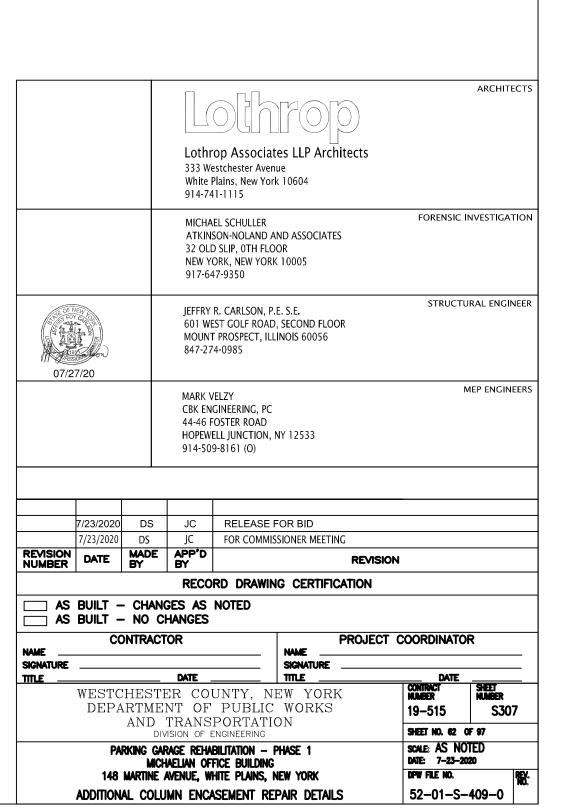


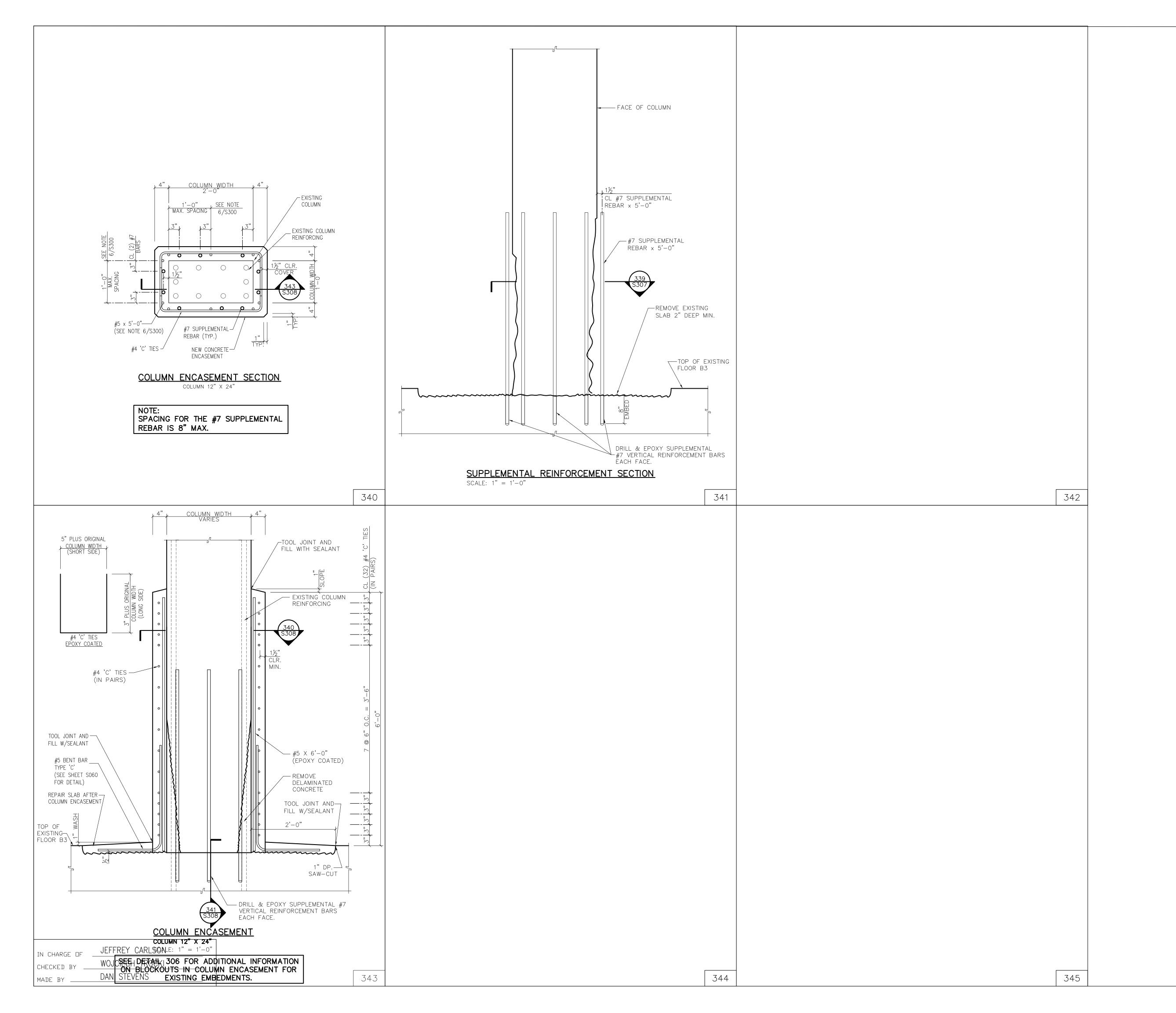
COLUMN ENCASEMENT NOTES:

- 1. THE CONCRETE AND QUANTITIES DISPLAYED ARE THE CURRENT ESTIMATED AMOUNTS. ACTUAL QUANTITIES WILL VARY ONCE THE WORK HAS STARTED. CONTRACTOR TO IDENTIFY AND DOCUMENT ACTUAL QUANTITIES, WHICH WILL BE VERIFIED BY THE ARCHITECT/ENGINEER.
- 2. SEE SHEET S300 FOR COLUMN ENCASEMENT NOTES.
- 3. SEE SHEET S060 FOR BENT REINFORCING BAR DETAILS.
- 4. REFER TO COLUMN E11 (L11) REPAIR SHEETS S302, S303 & S304.
- 5. REFER TO ADDITIONAL COLUMN REPAIR SHEETS S307 & S308.
- 6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

- 1. REFER TO SHEETS S301, S301A, S301B, S301C, S302, S303 & S304 FOR LEVEL B2 & B3 COLUMN & SLAB REPAIR PLANS AND DETAILS.
- 2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.





COLUMN ENCASEMENT NOTES:

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- 2. SEE SHEET S300 FOR COLUMN ENCASEMENT NOTES.
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- 5. REFER TO ADDITIONAL COLUMN REPAIR SHEETS \$307 & \$308.
- 6. SUPPLEMENTAL REINFORCING SHOWN IN DETAIL 339/S307 SHALL BE USED ON OTHER COLUMNS WHERE THE COLUMN REINFORCING IS OBSERVED IN THE FIELD TO NOT CONTINUE INTO THE SLAB.

COLUMN REPAIR NOTES:

- 1. REFER TO SHEETS S301, S301A, S301B, S301C, S302, S303 & S304 FOR LEVEL B2 & B3 COLUMN & SLAB REPAIR PLANS AND DETAILS.
- 2. SEE DETAIL 368/S352 FOR COLUMN REPAIR ABOVE THE B2 LEVEL.
- 3. CHASE CRACKS AND EPOXY INJECT.

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07/27/20			JEFFRY R. CARLSON, P.E. S.E. 601 WEST GOLF ROAD, SECOND FLOOR MOUNT PROSPECT, ILLINOIS 60056 847-274-0985			STRUCT	URAL ENGINEER	
			44-46 F HOPEW	GINEERING, PC FOSTER ROAD ELL JUNCTION, 9-8161 (O)				
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	7/23/2020	DS	JC	FOR COMMISSIONER MEETING				
REVISION NUMBER	DATE	MADE BY	APP'D	REVISION				
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ADDITIONAL COLUMN ENCASEMENT REPAIR DETAILS

52-01-S-410-0

